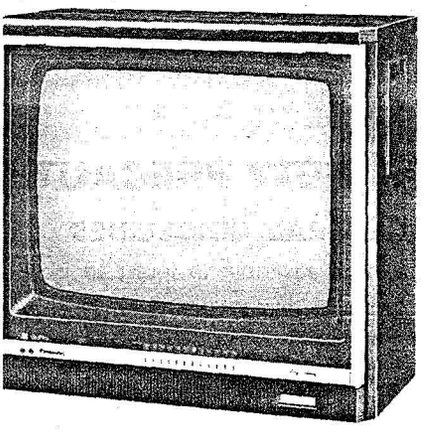
Service Manual

Color Television

TC-420NPR/TC-426NPR

M12EC chassis



Specifications

Power Source:	AC 120 V – 240 V, 50Hz/60 Hz
Power Consumption:	107W (TC-420NPR) 140W (TC-426NPR)
Antenna Impedance:	VHF 75 Ω coaxial/300 Ω balanced UHF 300 Ω balanced
Receiving System:	PAL – B, G, I NTSC – M
Receiving Channels:	VHF ch. E2 – E12 (PAL) A2 – A13 (NTSC) UHF ch. E21 – E69 (PAL) A14 – A83 (NTSC) CATV VHF BAND (5A, ICC5, ICC6) MID BAND (A-5~A-1, A~1) SUPER BAND (J~W) HYPER BAND (AA~ZZ, AAA, BBB
Intermediate Frequency:	Video I-F carrier 38.0 MHz Sound I-F carrier 32.0 MHz (PAL I) 32.5 MHz (PAL B, G) 33.5 MHz (NTSC) Color sub carrier 33.57 MHz (PAL) 34.47 MHz (NTSC
Audio Output:	2W (Max.) TC-420NPR 3W (Max.) TC-426NPR
Speaker:	12 cm, 8 Ω, Round Type
Picture Tube:	20 inches (51 cm) measured diagonally, 90° deflection (TC-420NPR) 26 inches (66 cm) measured diagonally, 100° deflection (TC-426NPR)

		TC-420NPR	TC426NPR
High Voltage:		22.8kV $^{+1.5kV}_{-1.3kV}$	27.9kV $^{+1.5kV}_{-1.3kV}$
Semiconductors:	ICs	17	17
	Transistors	63	63
	Diodes	90	84
	Posistor	1	1
	Varistor	1	1
Dimensions:	Height:	20 1/4" (51.4 cm)	25 13/16" (65.5 cm)
	Width:	21 1/8" (53.6 cm)	27 11/32" (69.5 cm)
	Depth:	19 11/16" (50.1 cm)	21 15/16" (55.8 cm)
Weight:		61.7 lbs (28 kg)	97.0 lbs (44 kg)

Specifications are subject to change without notice.

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CONTENTS

SAFETY PRECAUTIONS 2
DISASSEMBLY INSTRUCTION 4
LOCATION OF CONTROLS 4
ADJUSTMENTS 6
CONDUCTOR VIEWS 7
SCHEMATIC DIAGRAM 9
PARTS LOCATION 12
REPLACEMENT PARTS LIST 13

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. It is advisable to insert an isolation transformer in the power line and AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations, are properly installed.
4. Before turning the receiver on, measure the resistance between B+ line and chassis ground. Connect ⊖ side of an ohmmeter to the B+ lines, and ⊕ side to chassis ground. Each line should have more resistance than specified, as follows.

B+ Line	Minimum Resistance
197V	100kΩ
113V	20kΩ
12V	50kΩ

5. When the TV set is not to be used for a long period of time, unplug the power cord from the AC outlet.
6. Potentials, as high as follows are present when these receivers are in operation.

Model	High Voltage
TC-420NPR	24.3 kV
TC-426NPR	29.4 kV

Operation of there receivers without the rear cover involves the danger of a shock hazard from three receivers power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to there receivers chassis before handling the tube.

7. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screwheads, antennas, control shafts, handle bracket, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 490 kΩ and 5.2 MΩ. When the exposed metal does not have a return path to the chassis, the reading must be ∞.

LEAKAGE CURRENT HOT CHECK (See Fig. 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2kΩ, 10 watts resistor, in series with an exposed metallic part on the set and an earth such as a water pipe.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any points should not exceed 1.4V RMS. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

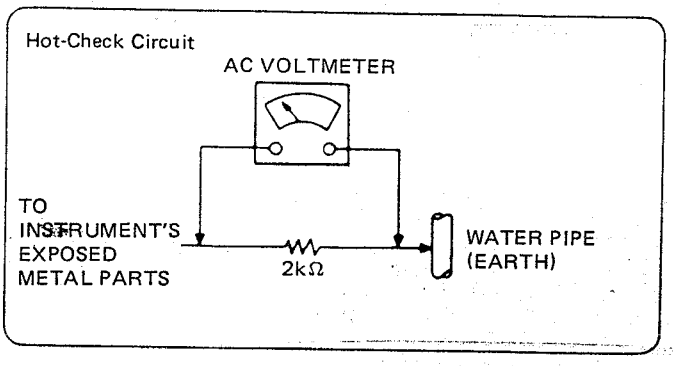


Fig. 1

X-RATIATION

WARNING:
1. The potential source of X-Radiation in TV sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, make sure that the jig is capable of handling 22.8 kV (for TC-420NPR), 27.9 kV (for TC-426NPR) without causing X-Radiation.

NOTE: It is important to use an accurate and periodically calibrated high voltage meter.

1. Turn the Bright control fully counterclockwise.
2. Set the service switch to SERVICE.
3. Measure the High Voltage. The upper meter (electrostatic type) reading should indicate 22.8 kV $^{+1.5kV}_{-1.3kV}$ (for TC-420NPR), 27.9 kV $^{+1.5kV}_{-1.3kV}$ (for TC-426NPR). If the upper meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
4. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

SHUT DOWN CIRCUIT TEST

This test must be made a sa final check before the set is returned to the customer.

1. With the rear cover removed, supply a nominal 220V AC to the set, turn on the power switch.
2. Set controls:
   Bright (R386)
   Contrast (R382) ..... Minimum position
   Sub Bright (R304)
3. Connect the DC voltmeter to the each test points and confirm that the reading voltage is present from the voltage as follows.

Model	Test Point	Reading Voltage
TC-420NPR	TPE21	10.6V~11.2V
TC-426NPR	TPE23	17.9V~21.1V

4. Supply DC power source to achieve voltage of as follows, and confirm that the shut down circuit does not operate.

Model	Test Point	Supplying Voltage
TC-420NPR	TPE21	11.4V
TC-426NPR	TPE23	23.1V

5. Adjust DC power source for as follows on the indicating voltmeters, and confirm that the shut down circuit operates.

Model	Setting Voltage
TC-420NPR	12.4V
TC-426NPR	23.4V

DISASSEMBLY INSTRUCTIONS

HOW TO REMOVE CONTROL BLOCK

1. Remove 4 screws Ⓐ as shown in Fig. 2.
2. Remove Tuning board in direction of the arrow ① as shown in Fig. 2.

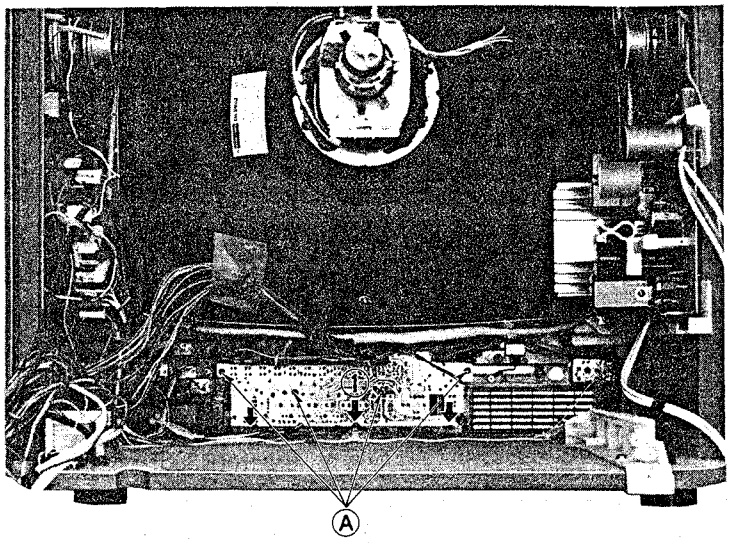


Fig. 2

LOCATION OF CONTROL

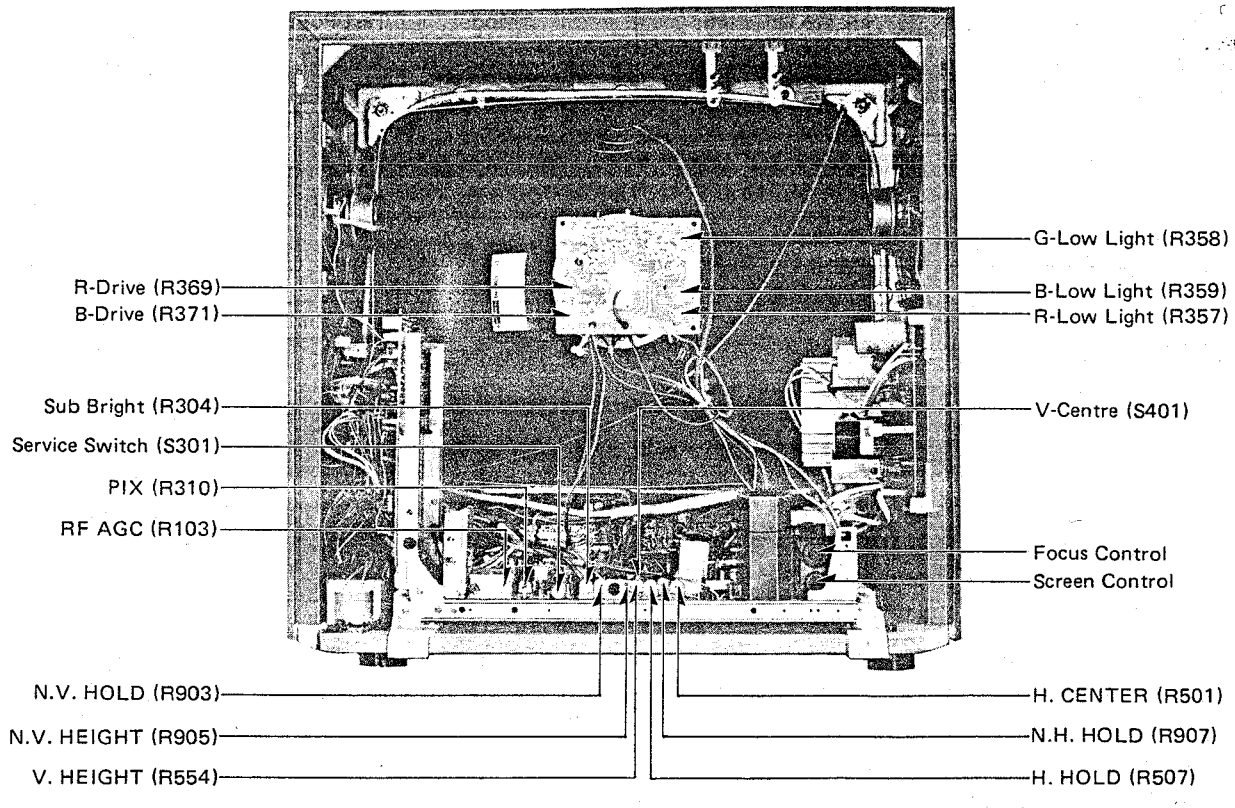
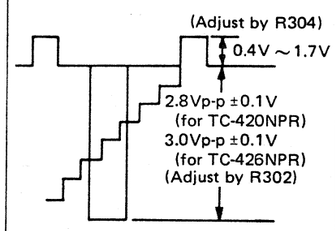
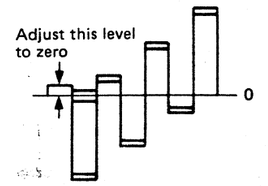
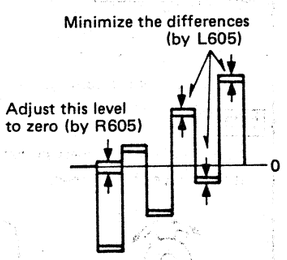
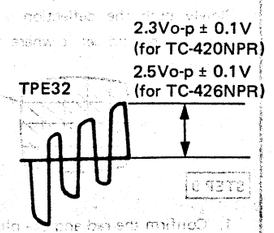


Fig. 3

ADJUSTMENT

ITEM / PREPARATION	ADJUSTMENT
AFC 1. Ground Bs terminal of Tuner and connect a wire between BM and Bv terminal. 2. Supply 38.0 MHz continuous wave of oscillator to TP of Tuner. 3. Connect DC voltmeter to TPE11.	Adjust L104. Voltage of TPE11: 6.5V ± 0.3V
RF AGC 1. Receive color bar pattern. 2. Set the input level to 63 dB $^{+3}_{-5}$dB. 3. Connect oscilloscope to TPE12. (This oscilloscope must be in DC range.)	1. Turn RF AGC control (R103) fully clockwise. 2. Slowly turn R103 counterclockwise to set it at the point just before voltage of TPE12 drops.
High Voltage 1. Receive color bar pattern. 2. Set service switch (S301) to SERVICE position. 3. Set controls: Contrast (R382) ..... Min. Bright (R386) ..... Min. Sub bright (R304) ..... Min.	Connect high voltage meter (electrostatic type) to anode of CRT and confirm that the high voltage is within a range as follows Model / High Voltage TC-420NPR: 22.8kV $^{+1.5}_{-1.3}$kV TC-426NPR: 27.9kV $^{+1.5}_{-1.3}$kV
Sub Bright 1. Receive color bar pattern. 2. Set controls: Bright (R386) ..... Min. Contrast (R382) ..... Max. Color (R641) ..... Max.	1. Connect ⊕ side of DC ammeter to TPE2, and ⊖ side to TPE7. 2. Adjust Sub bright (R304) 250μA ± 40μA (for TC-420NPR) 400μA ± 40μA (for TC-426NPR)

ITEM / PREPARATION	ADJUSTMENT	WAVEFORM
Sub Contrast 1. Receive color bar pattern. 2. Connect oscilloscope to TPE31. 3. Set controls: Bright (R386) ..... Max. Contrast (R382) ..... Max. Color (R641) ..... Min.	1. Adjust Sub bright (R304). 0.4V ~ 1.7V 2. Adjust Sub contrast (R302). 2.8Vp-p ± 0.1V (for TC-420NPR) 3.0Vp-p ± 0.1V (for TC-426NPR)	 Fig. 4
Color Phase 1. Receive PAL color bar pattern. 2. Connect oscilloscope to TPE32. 3. Set system switch (S901) to PAL. 4. Set controls: Contrast (R382) ..... Max. Color (R642) ..... Max.	Adjust APC control (R615) to obtain waveform of TPE32 as shown in Fig. 5.	 Fig. 5
PAL Delay Line 1. Receive PAL color bar pattern. 2. Connect oscilloscope to TPE32. 3. Set system switch (S901) to PAL. 4. Set controls: Contrast (R382) ..... Max. Color (R641) ..... Max.	Adjust DL Adj. (R605) and DL Matching Trans. (L605) to obtain waveform of TPE32 as shown in Fig. 6.	 Fig. 6
PAL Color Output 1. Receive PAL color bar pattern. 2. Connect oscilloscope to TPE32. 3. Set system switch (S901) to PAL. 4. Set controls: Contrast (R382) ..... Max. Color (R641) ..... Max. Sub bright (R304) ..... Fully Clockwise	1. Adjust Sub color (R602). 2.3Vo-p ± 0.1V (for TC-420NPR) 2.5Vo-p ± 0.1V (for TC-426NPR) 2. Connect oscilloscope to TPE34. 3. Confirm that the amplitude of waveform as below. 2.4Vo-p ± 0.3V (for TC-420NPR) 2.7Vo-p ± 0.3V (for TC-426NPR)	 Fig. 7

Before all adjustments described below are attempted, H-HOLD, V-HOLD, V-HEIGHT, H-WIDTH, and FOCUS adjustments must be completed.

COLOUR PURITY ADJUSTMENT (See Fig. 3)

STEP 1

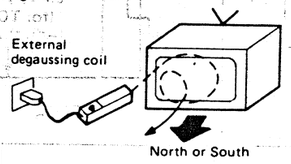
Place the TV receiver facing NORTH or SOUTH.

STEP 2

1. TV receiver ➡ ON
2. Operate the TV receiver over 15 minutes.

STEP 3

Fully degauss the TV receiver by using an external degaussing coil.

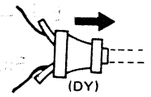


STEP 4

1. Receive ➡ Crosshatch pattern
2. Adjust ➡ Static convergence (roughly)

STEP 5

1. Loosen clamp screw of the deflection yoke.
2. Pull the DY toward you.



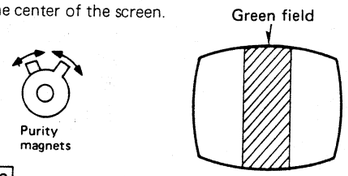
STEP 6

Set controls:

Red low light (R357)	Minimum position
Green low light (R358)	Maximum position
Blue low light (R359)	Minimum position

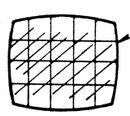
STEP 7

Adjust the purity magnets so that green field is obtained at the center of the screen.



STEP 8

Slowly push the deflection yoke toward bell of the picture tube and set it where a uniform green field is obtained.



STEP 9

1. Confirm the red and the blue.
2. Tighten the clamp screw.

CONVERGENCE ADJUSTMENT (See Fig. 8)

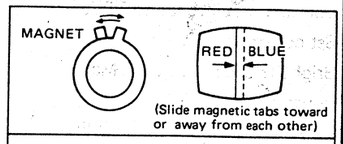
STEP 1

Receive ➡ Crosshatch pattern

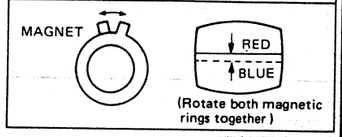
STEP 2

Adjust red with blue line at the center of the screen by rotating R-B static convergence magnet.

Vertical Convergence BLUE and RED



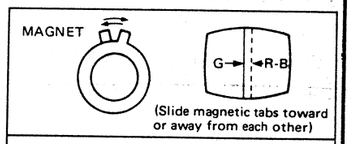
Horizontal Convergence BLUE and RED



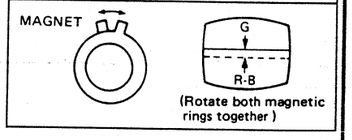
STEP 3

Adjust red-blue with green line at the center of the screen by rotating (RB)-G static convergence magnet.

Vertical Convergence BLUE and RED on GREEN

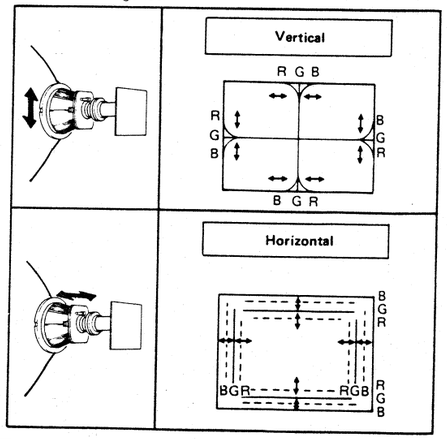


Horizontal Convergence BLUE and RED on GREEN



STEP 4

Remove the DY wedges and slightly tilt the deflection yoke horizontally and vertically to obtain the good overall convergence.



STEP 5

Fix the deflection yoke by wedges.

If purity error is found, repeat before-mentioned "Color Purity Adjustment" instructions.

WHITE BALANCE ADJUSTMENT (See Fig. 3/Page 4)

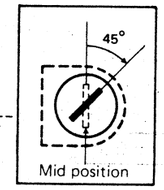
STEP 1

Receive ➡ Black and White picture signal

STEP 2

Set controls as below:

Red Low Light (R357)
Green Low Light (R358)
Blue Low Light (R359)



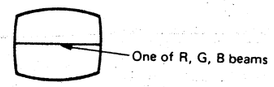
Red drive (R369), Blue drive (R371)	Mid position
Contrast control (R382)	Maximum position
Screen control (on FBT), Color control (R641)	Minimum position

STEP 3

Service switch (S301) ➡ SERVICE position

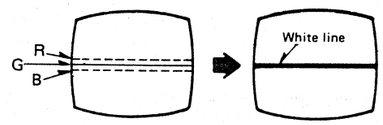
STEP 4

Slowly turn the screen control (on FBT) clockwise to the point where one of R, G, B beams just appears.



STEP 5

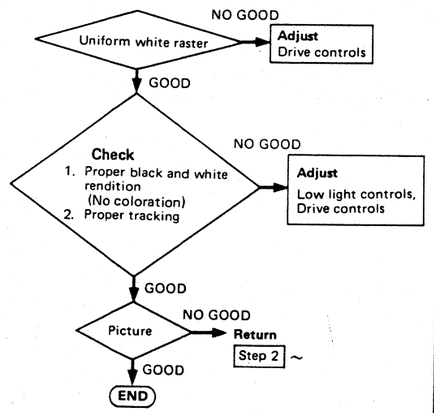
Leave the low light control of the color which appeared at the step 4 as it is, and turn the remained low light controls clockwise, from the setting position at the step 2, so as to get a white horizontal line on the picture tube.



STEP 6

Service switch ➡ NORMAL position

STEP 7



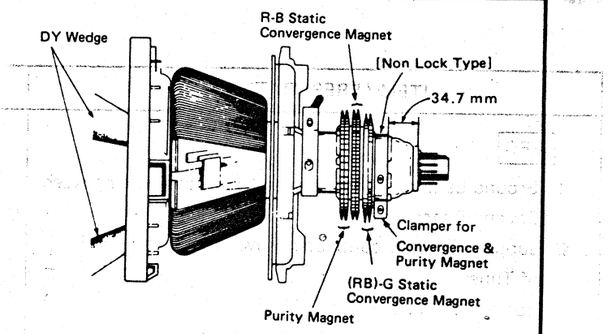


Fig. 8

NOTE:

1. Wedge A shown in Fig. 9 should be fixed within a range of 0°~30° to the left of the vertical line as shown.
2. After inserting wedge A, insert wedges B and C. The wedges should be set 120° apart from each other.
3. Be certain that the three wedges are firmly fixed and the Deflection Yoke is tightly clamped in place. Otherwise the Deflection Yoke may shift its position and cause a loss of convergence and purity. (TC-420NPR)

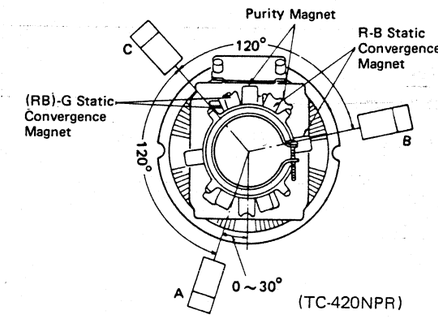


Fig. 9

NOTE:

1. Wedge A shown in Fig. 10 should be fixed within a range of 0°~30° to the left of the vertical line as shown.
2. After inserting wedge A, insert wedges B, C and D. The wedges should be set 90° apart from each other.
3. Be certain that the four wedges are firmly fixed and the Deflection Yoke is tightly clamped in place. Otherwise the Deflection Yoke may shift its position and cause a loss of convergence and purity. (TC-426NPR)

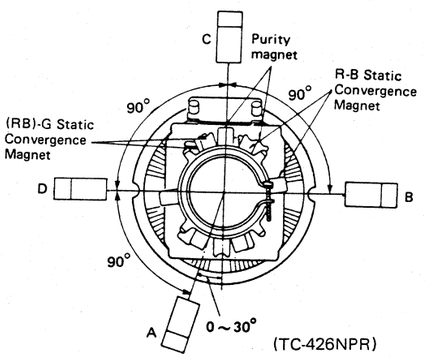
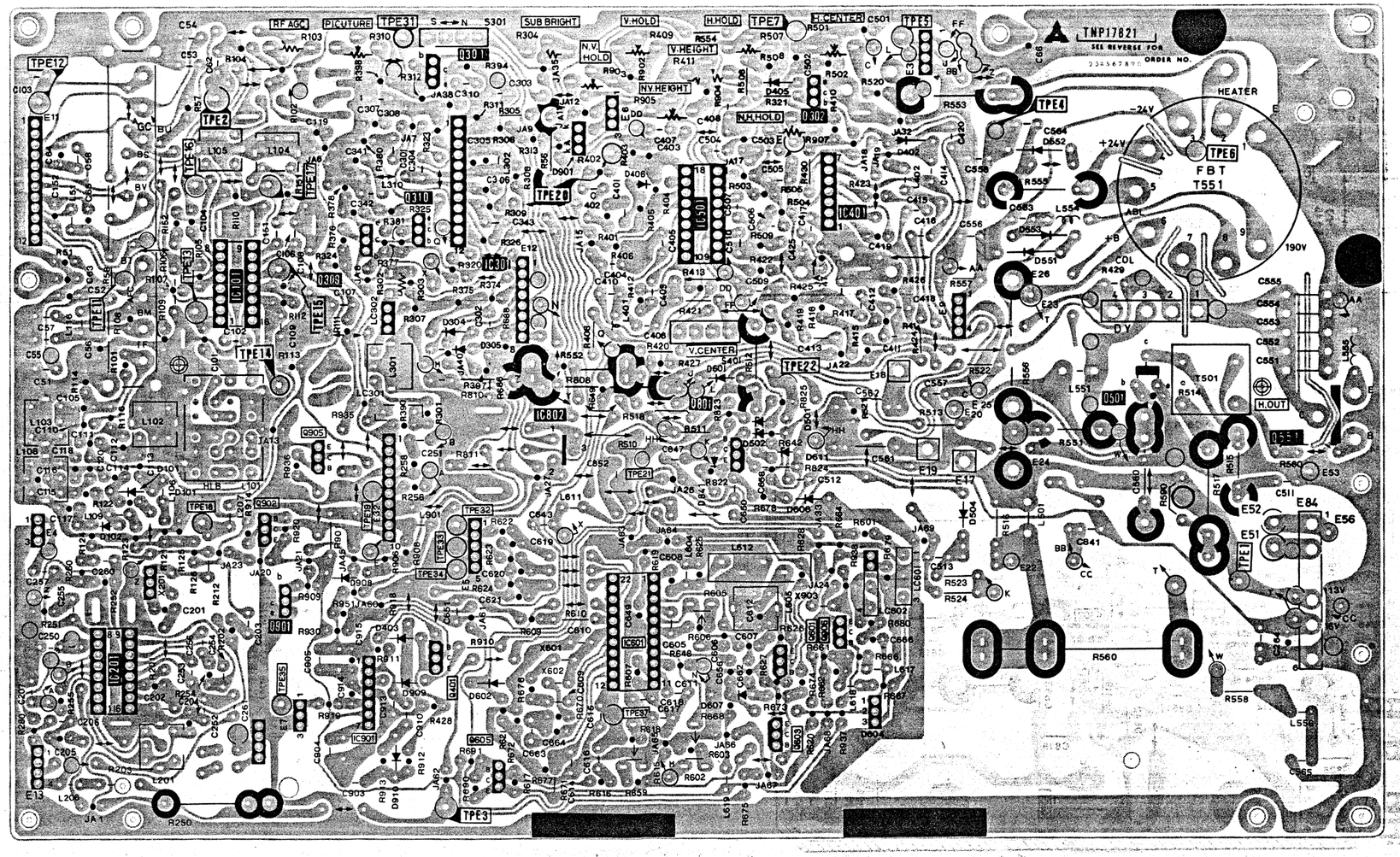


Fig. 10

CONDUCTOR VIEWS

E-BOARD TNP17821AA(TC-420NPR)/TNP17821AB(TC-420NPR)

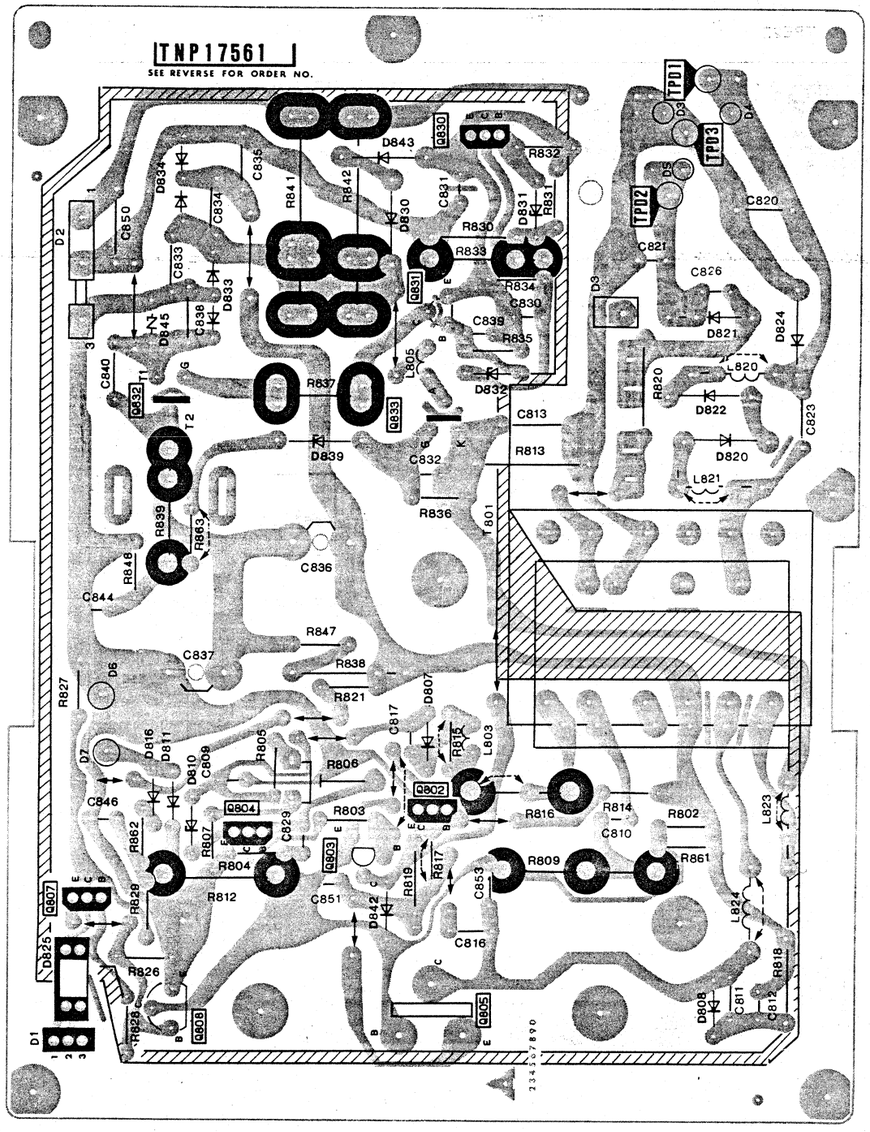
I.C.	IC201 IC101 IC901 IC301 IC802 IC601 IC501 IC401
Transistor	Q902 Q905 Q309 Q310 Q301 Q901 Q401 Q605 Q801 Q302 Q601 Q906 Q603 Q501 Q551
Diode	D101 D102 D908 D403 D304 D305 D909 D910 D602 D406 D901 D501 D405 D601 D502 D611 D607 D606 D604 D402 D504 D552 D553 D551
Test Point	TPE12 TPE11 TPE2 TPE16 TPE13 TPE18 TPE17 TPE15 TPE14 TPE35 TPE31 TPE19 TPE32 TPE33 TPE34 TPE3 TPE20 TPE21 TPE37 TPE7 TPE22 TPE5 TPE4 TPE1



TC-420NPR/TC-426NPR

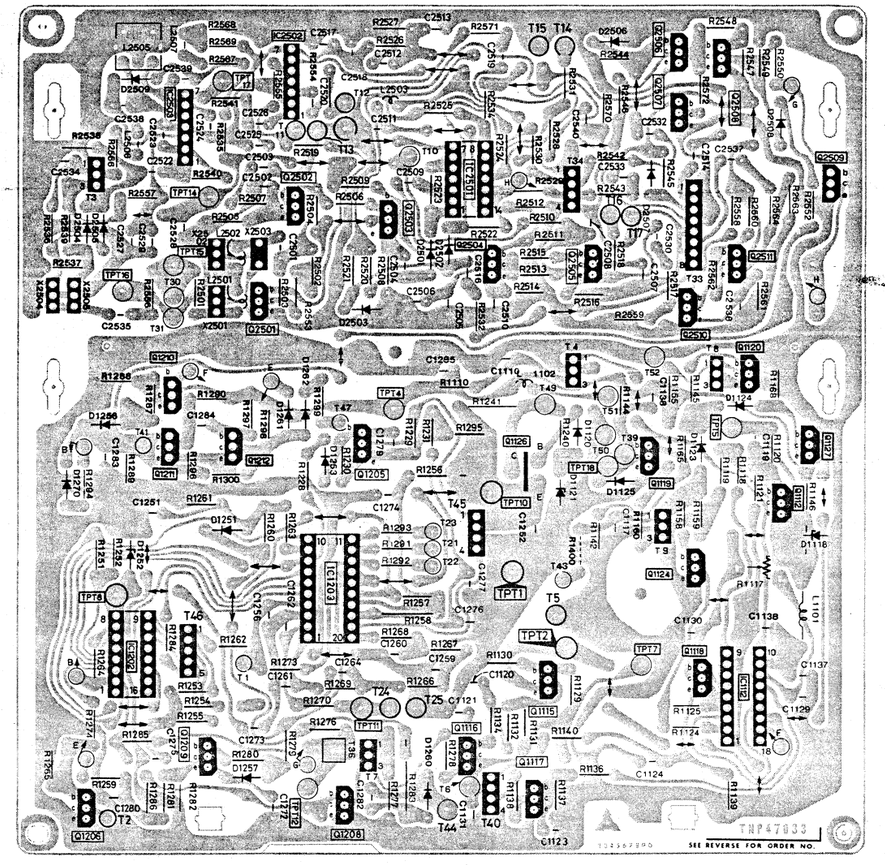
D-BOARD TNP17561AA(TC-420NPR)/TNP17561AB(TC-426NPR)

I.C.	
Transistor	Q807 Q832 Q804 Q808 Q803 Q831 Q833 Q802 Q805 Q830
Diode	D834 D845 D833 D825 D816 D811 D810 D839 D843 D830 D842 D807 D831 D832 D821 D822 D820 D808 D824
Test Point	TPD1 TPD3 TPD2

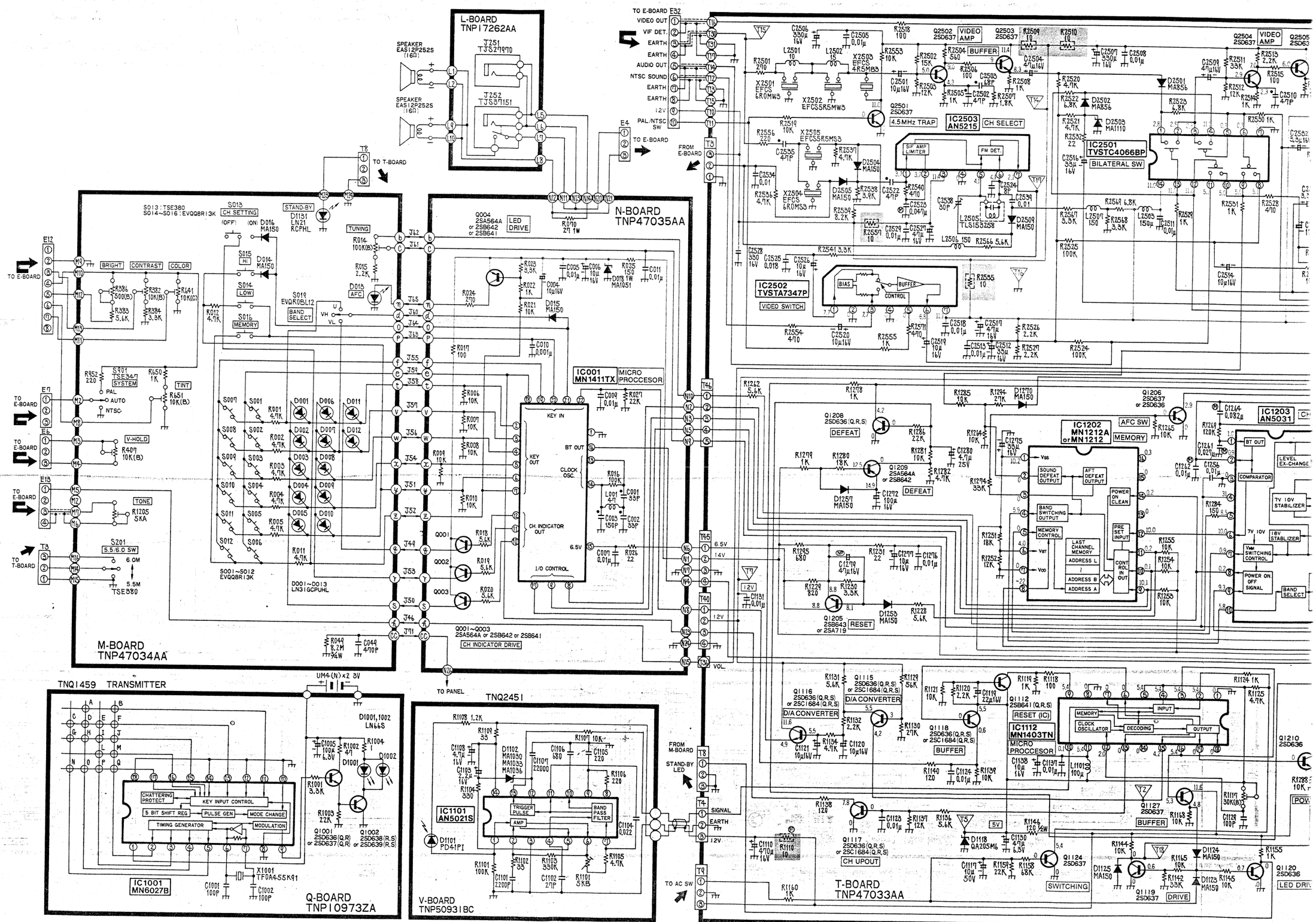


T-BOARD TNP47033AA

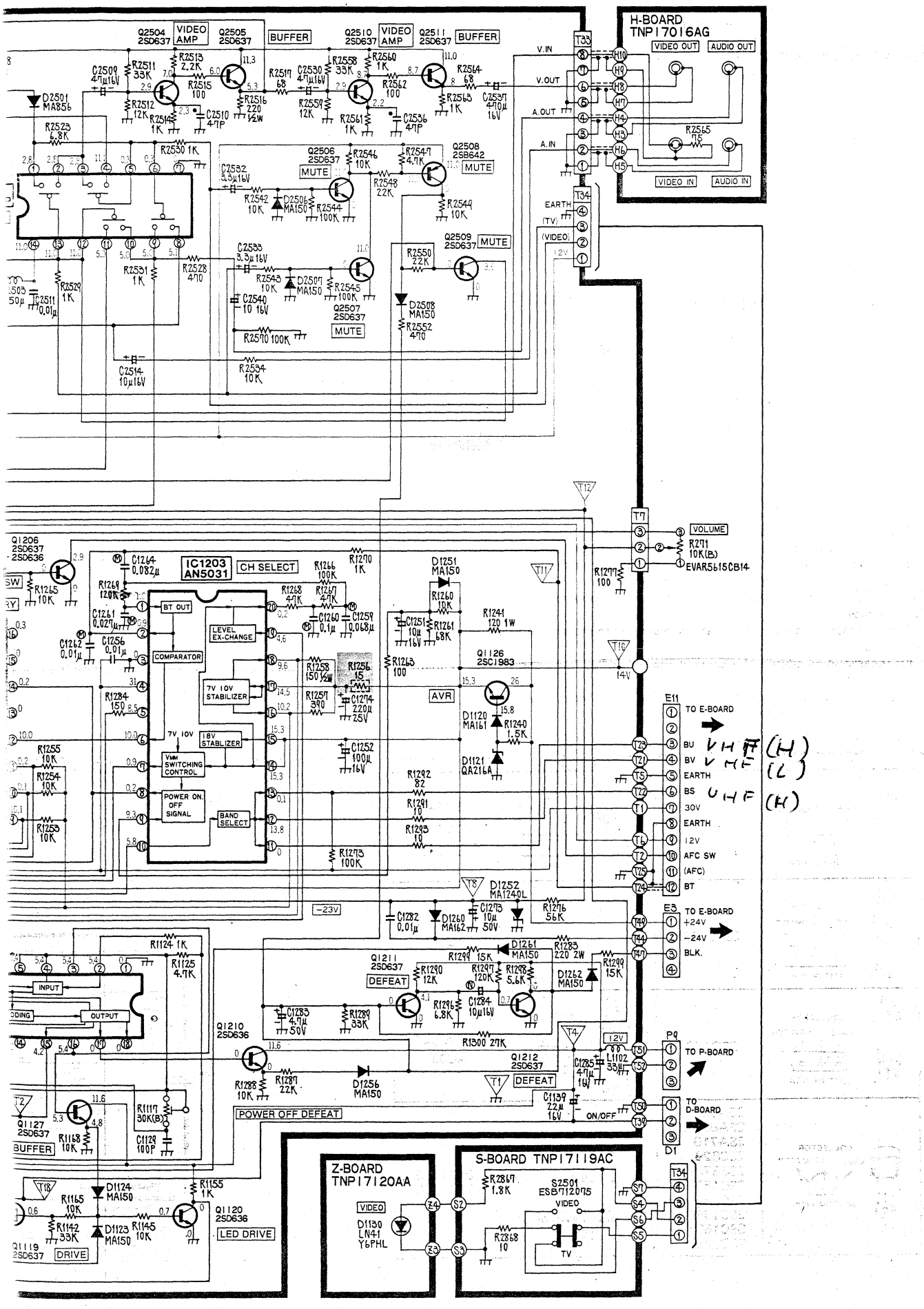
I.C.	IC1202 IC2503 IC2502 IC1203 IC2501 IC1112
Transistor	Q2502 Q2503 Q2504 Q2505 Q2506 Q2508 Q2507 Q2511 Q2509 Q1210 Q2501 Q1126 Q1211 Q1212 Q1205 Q1115 Q1119 Q2510 Q1120 Q1127 Q1124 Q1112 Q1206 Q1209 Q1208 Q1116 Q1117 Q1118
Diode	D2509 D2501 D2502 D2508 D2504 D2505 D2507 D1270 D1261 D1262 D2503 D1120 D1124 D1118 D1252 D1251 D1253 D1121 D1125 D1123 D1257 D1260
Test Point	TPT17 TPT16 TPT15 TPT4 TPT10 TPT8 TPT12 TPT11 TPT1 TPT18 TPT15 TPT2 TPT7



SCHEMATIC DIAGRAM OF TUNING BOARD (CHASSIS NO. NMX-M12E



NMX-M12EC)

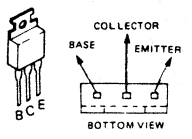
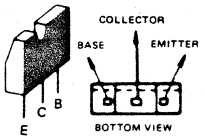
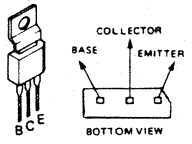
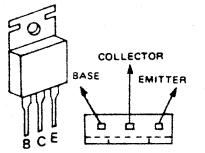
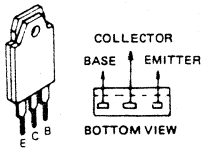
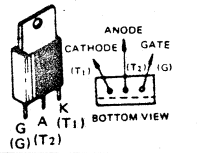
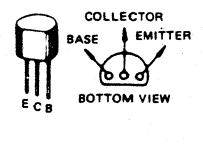
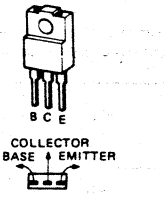

H-BOARD
TNP17016AG
VIDEO OUT
AUDIO OUT
VIDEO IN
AUDIO IN
V.IN
V.OUT
A.OUT
A.IN
EARTH
(TV)
(VIDEO)
Q2504 2SD637 VIDEO AMP
Q2505 2SD637 BUFFER
Q2510 2SD637 VIDEO AMP
Q2511 2SD637 BUFFER
Q2506 2SD637 MUTE
Q2508 2SB642 MUTE
Q2507 2SD637 MUTE
Q2509 2SD637 MUTE
IC1203 AN5031
CH SELECT
BT OUT
LEVEL EX-CHANGE
COMPARATOR
7V 10V STABILIZER
7V 10V
18V STABLIZER
VHM SWITCHING CONTROL
POWER ON. OFF SIGNAL
BAND SELECT
AVR
Q1206 2SD637 2SD636
Q1126 2SC1983
D1120 MA161
D1121 QA216A
D1251 MA150
D1252 MA124-DL
D1260 MA162
D1261 MA150
D1262 MA150
Q1211 2SD637 DEFEAT
Q1212 2SD637 DEFEAT
Q1210 2SD636
Q1127 2SD637 BUFFER
Q1120 2SD636 LED DRIVE
Q1119 2SD637 DRIVE
D1124 MA150
D1123 MA150
D1256 MA150
VOLUME
R2711 10K(B) EVAR5615CB14
TO E-BOARD
BU VHF (H)
BV VHF (L)
EARTH
BS UHF (H)
30V
EARTH
12V
AFC SW
(AFC)
BT
TO E-BOARD
+24V
-24V
BLK.
TO P-BOARD
TO D-BOARD
ON/OFF
INPUT
OUTPUT
POWER OFF DEFEAT
-23V
14V
12V
Z-BOARD
TNP17120AA
VIDEO
D1130 LN41 Y6PHL
S-BOARD TNP17119AC
S2501 ESB7120Z5
VIDEO
TV

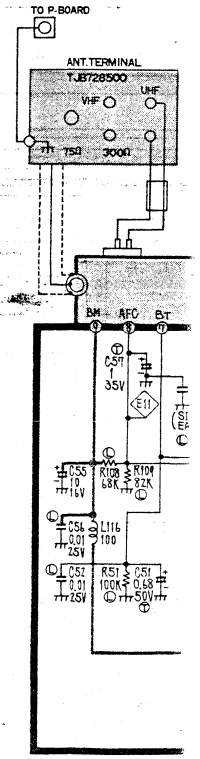
IMPORTANT SAFETY NOTICE

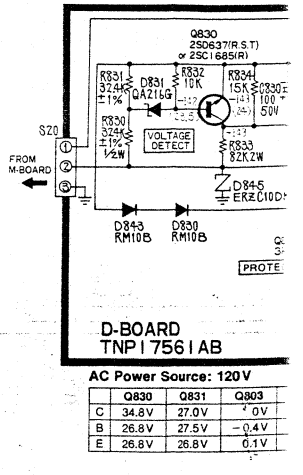
THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

NOTE:

1. RESISTOR
   All resistors are carbon 1/4W resistor, unless otherwise noted the following marks.
   Unit of resistance is OHM (Ω), (K = 1,000, M = 1,000,000).
   - △ : Solid resistor
   - ● : Metal oxide resistor
   - □ : Wire wound resistor
   - : Thermistor
   - : Fuse resistor
   - Ⓕ : Non inflammable resistor
   - : Fusible resistor
2. CAPACITOR
   All capacitors are ceramic 50V capacitor, unless otherwise noted the following marks.
   Unit of capacitance is μF, unless otherwise noted.
   - Ⓜ : Polyester capacitor
   - Ⓟ : Polypropylene capacitor
   - : Electrolytic capacitor
3. COIL
   Unit of indictance is μH.
4. TEST POINT
   - : Test point position.
5. VOLTAGE MEASUREMENT
   Voltage is measured by a volt ohm meter with DC 20K OHM/V receiving color bar signal, when all controls are set to the maximum position.
6. Number in red circle indicates waveform number.
7. When arrow mark (↗) is found, connection is easily found along with the direction of an arrow.
8. When schematic diagram of a board is described in more than two places, they are encircled with dotted line . . . . . .
9. This schematic diagram is the latest at the time of printing and subject to change without notice.
10. Marked "Ⓛ" on the schematic diagram shows lead less parts.
11. ➡ : Indicates the major signal flow.

	2SC1819M		2SB642 2SB643 2SD636 2SD637
	2SC2653H		2SD1441
	2SD1391		3P6MH AC03
	2SA564A 2SA683NC 2SA719 2SC829 2SB873 2SC1573A 2SC1573B 2SC1684 2SC1685 2SD965		2SD1265 2SD1273

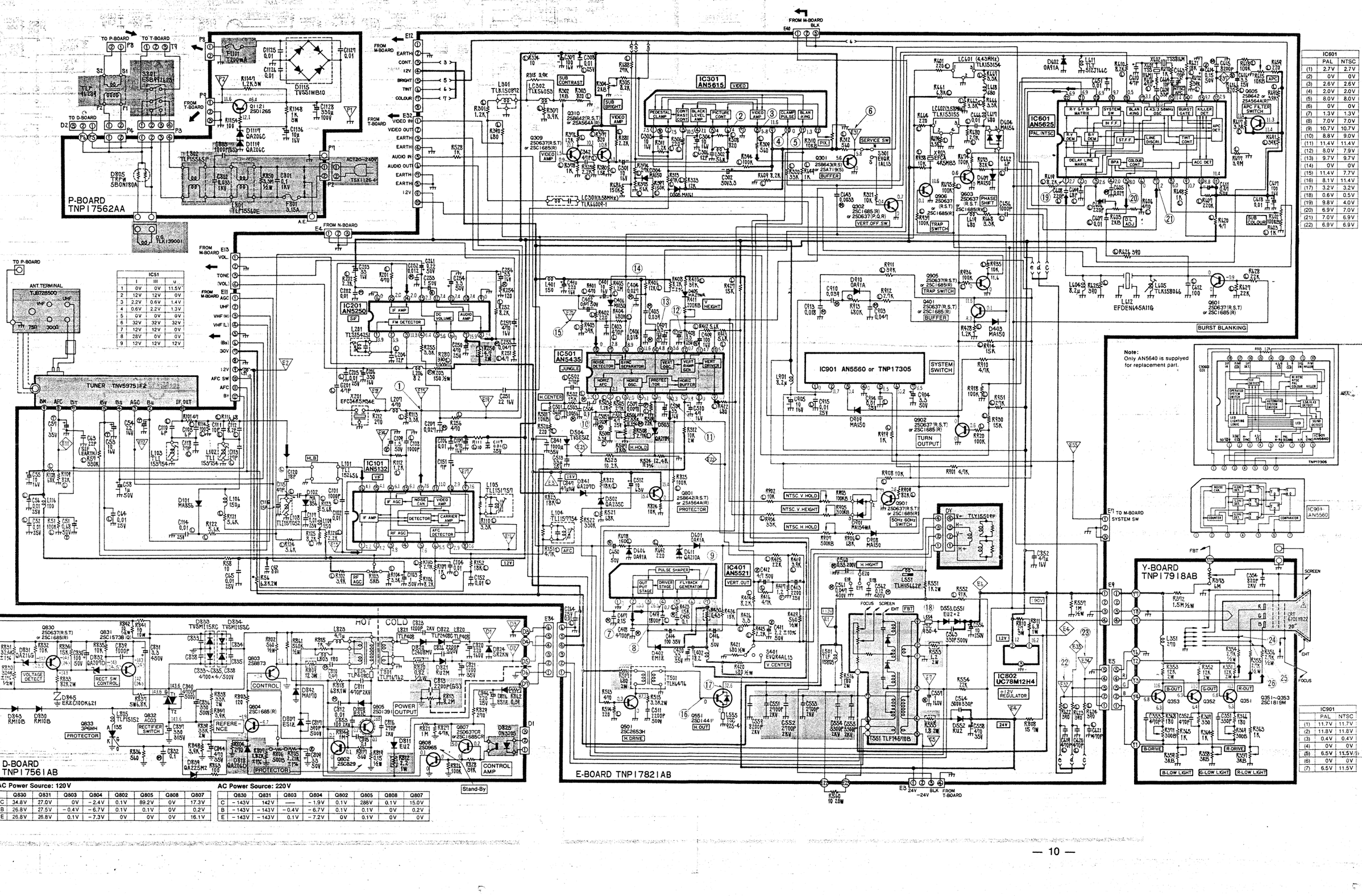




AC Power Source: 120V

	Q830	Q831	Q803
C	34.8V	27.0V	0V
B	26.8V	27.5V	−0.4V
E	26.8V	26.8V	0.1V

SCHEMATIC DIAGRAM FOR TC-426NPR (CHASSIS NO. NMX-M12EC)



IC601	PAL	NTSC
(1)	2.7V	2.7V
(2)	0V	0V
(3)	2.6V	2.6V
(4)	2.0V	2.0V
(5)	8.0V	8.0V
(6)	0V	0V
(7)	1.3V	1.3V
(8)	7.0V	7.0V
(9)	10.7V	10.7V
(10)	8.8V	9.0V
(11)	11.4V	11.4V
(12)	8.0V	7.9V
(13)	9.7V	9.7V
(14)	0V	0V
(15)	11.4V	7.7V
(16)	8.1V	11.4V
(17)	3.2V	3.2V
(18)	0.6V	0.5V
(19)	9.8V	4.0V
(20)	6.9V	7.0V
(21)	7.0V	6.9V
(22)	6.9V	6.9V

IC51	I	III	u
1	0V	0V	11.5V
2	12V	12V	0V
3	2.2V	0.6V	1.4V
4	0.6V	2.2V	1.3V
5	0V	0V	0V
6	32V	32V	32V
7	12V	12V	0V
8	28V	0V	0V
9	12V	12V	12V

IC901	PAL	NTSC
(1)	11.7V	11.7V
(2)	11.8V	11.8V
(3)	0.4V	0.4V
(4)	0V	0V
(5)	6.5V	11.5V
(6)	0V	0V
(7)	6.5V	11.5V

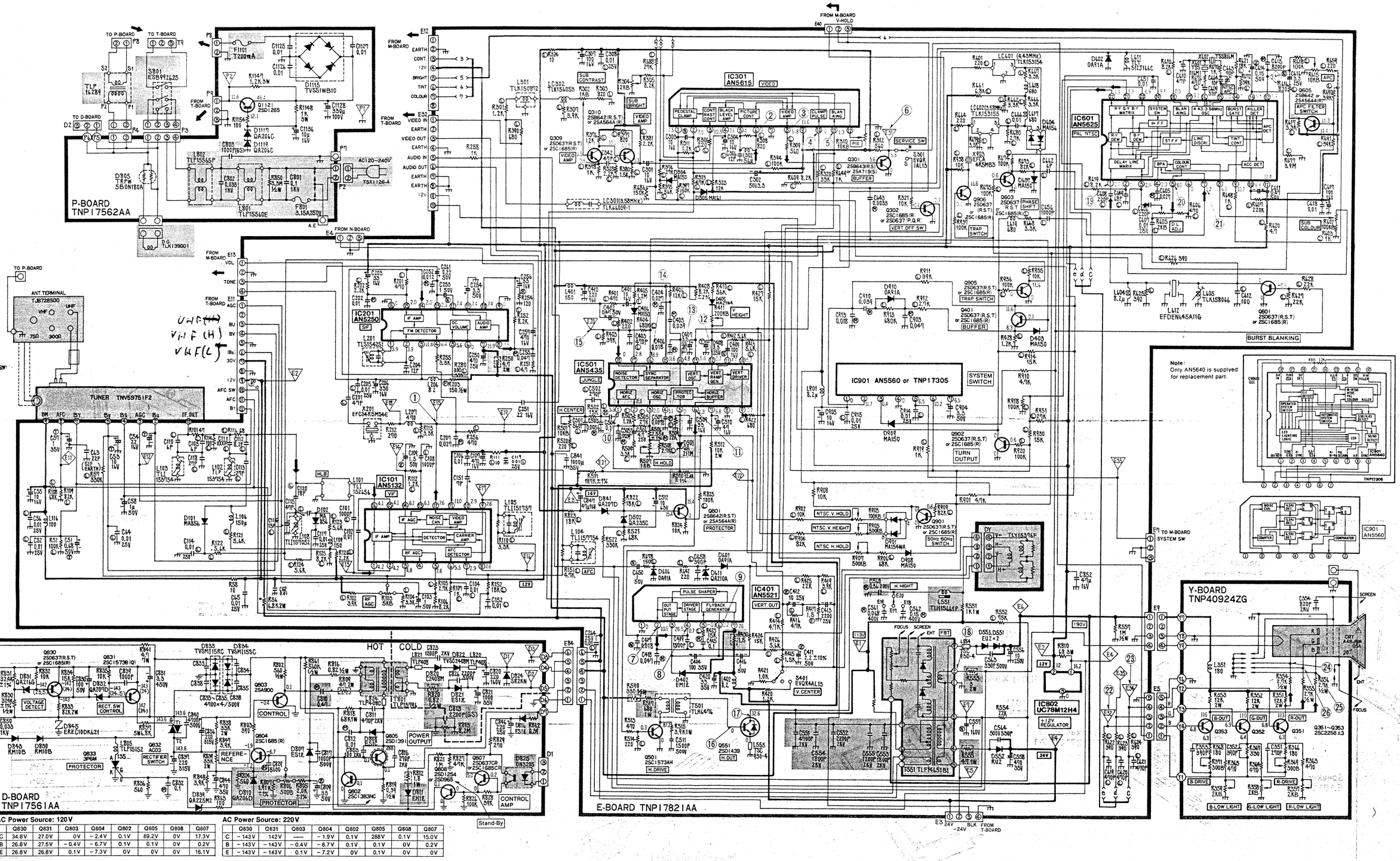
AC Power Source: 120V

	Q830	Q831	Q803	Q804	Q802	Q805	Q808	Q807
C	34.8V	27.0V	0V	-2.4V	0.1V	89.2V	0V	17.3V
B	26.8V	27.5V	-0.4V	-6.7V	0.1V	0.1V	0V	0.2V
E	26.8V	26.8V	0.1V	-7.3V	0V	0V	0V	16.1V

AC Power Source: 220V

	Q830	Q831	Q803	Q804	Q802	Q805	Q808	Q807
C	-143V	142V	——	-1.9V	0.1V	288V	0.1V	15.0V
B	-143V	-143V	-0.4V	-6.7V	0.1V	0.1V	0V	0.2V
E	-143V	-143V	0.1V	-7.2V	0V	0.1V	0V	0V

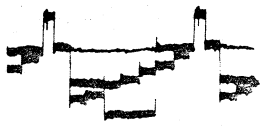
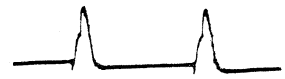
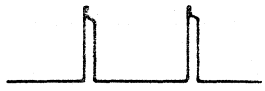
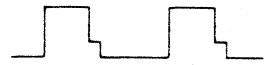
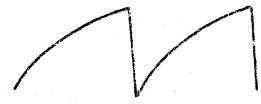
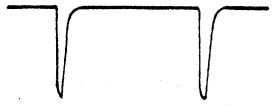
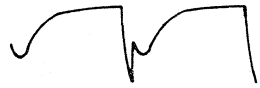
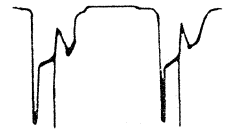
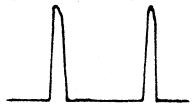
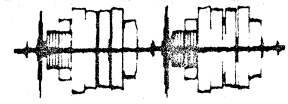
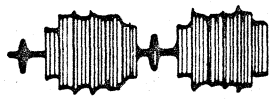
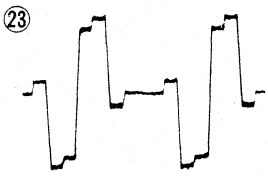
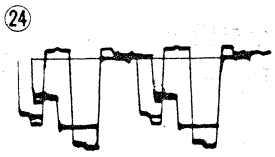
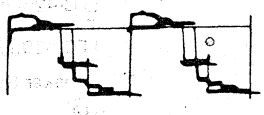
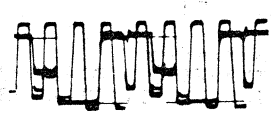
SCHEMATIC DIAGRAM FOR TC-420NPR (CHASSIS NO. NMX-M12EC)

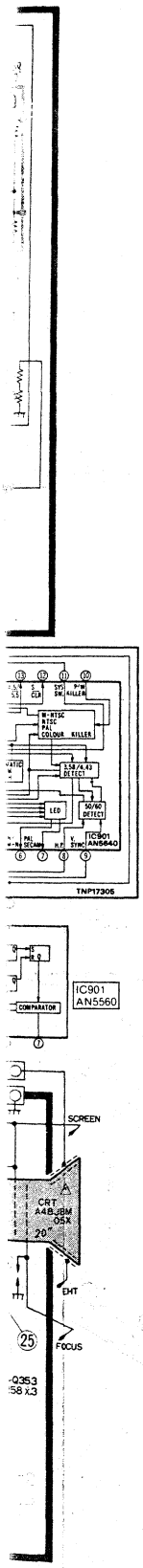


	Q830	Q831	Q803	Q804	Q802	Q805	Q808	Q807
C	34.8V	27.0V	0V	− 2.4V	0.1V	89.2V	0V	17.3V
B	26.8V	27.5V	− 0.4V	− 6.7V	0.1V	0.1V	0V	0.2V
E	26.8V	26.8V	0.1V	− 7.3V	0V	0V	0V	16.1V

	Q830	Q831	Q803	Q804	Q802	Q805	Q808	Q807
C	− 143V	142V	——	− 1.9V	0.1V	288V	0.1V	15.0V
B	− 143V	− 143V	− 0.4V	− 6.7V	0.1V	0.1V	0V	0.2V
E	− 143V	− 143V	0.1V	− 7.2V	0V	0.1V	0V	0V

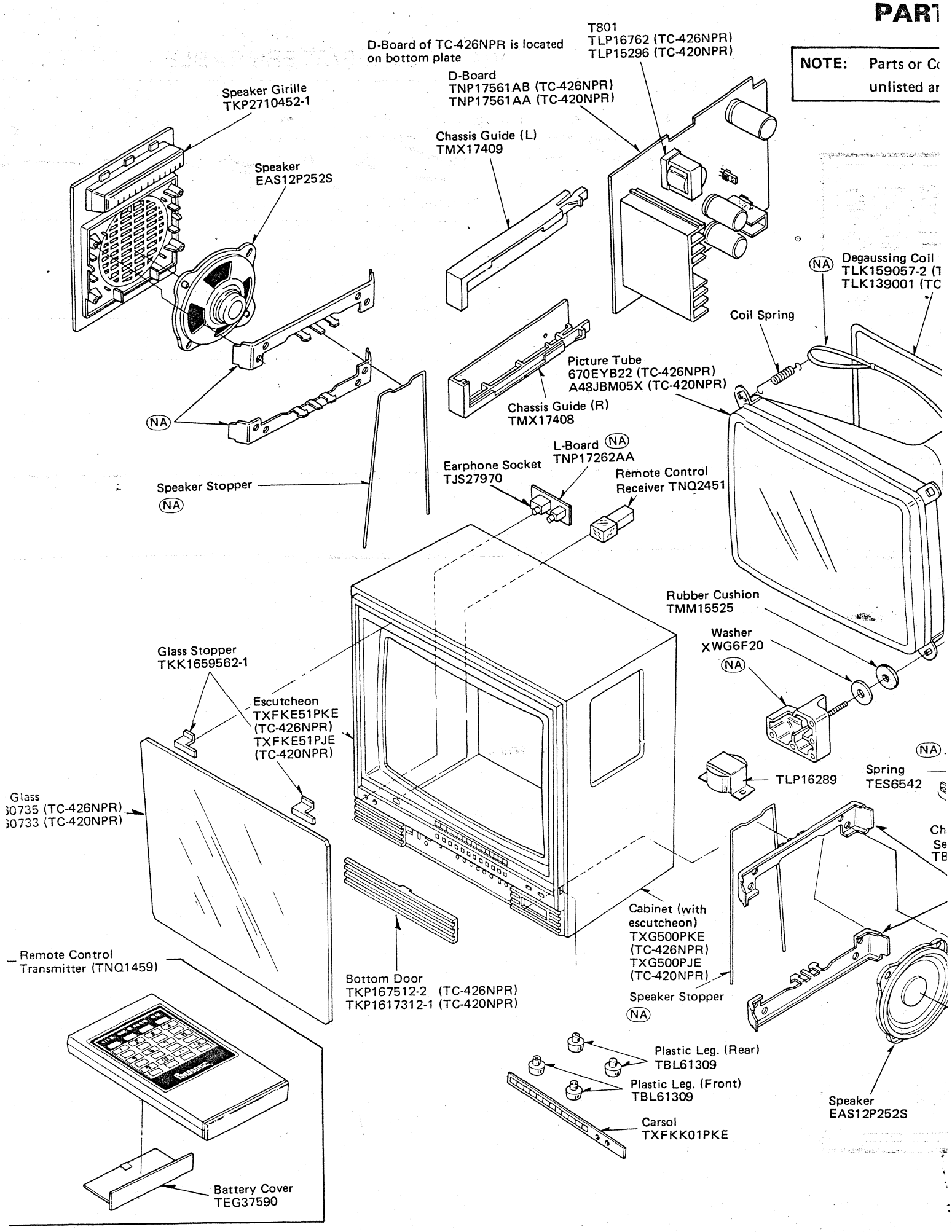
WAVEFORM PATTERN TABLE

①  2.0Vp-p [10μS]	② 640mVp-p [10μS]	③ 6Vp-p [10μS]	④  2.3Vp-p [10μS]
⑤ 6.4Vp-p [10μS]	⑥ 3.8Vp-p [10μS]	⑦ 56Vp-p [5mS]	⑧ 4.5Vp-p [5mS]
⑨  28Vp-p [5mS]	⑩ 1.2Vp-p [50μS]	⑪  5.2Vp-p [10μS]	⑫  1.4Vp-p [5mS]
⑬  4.6Vp-p [5mS]	⑭  9.6Vp-p [20μS]	⑮ 1.75Vp-p [20μS]	⑯  19.5Vp-p [20μS]
⑰  860Vp-p [20μS]	⑱ 18.5Vp-p [20μS]	⑲ 260mVp-p [20μS]	⑳  1.1Vp-p [20μS]
㉑  360Vp-1 920μS]	㉒ 5.4Vp-p [20μS]	㉓  5.9Vp-p [20μS]	㉔  175Vp-p [20μS]
㉕  116Vp-p [20μS]	㉖  150Vp-p [20μS]		



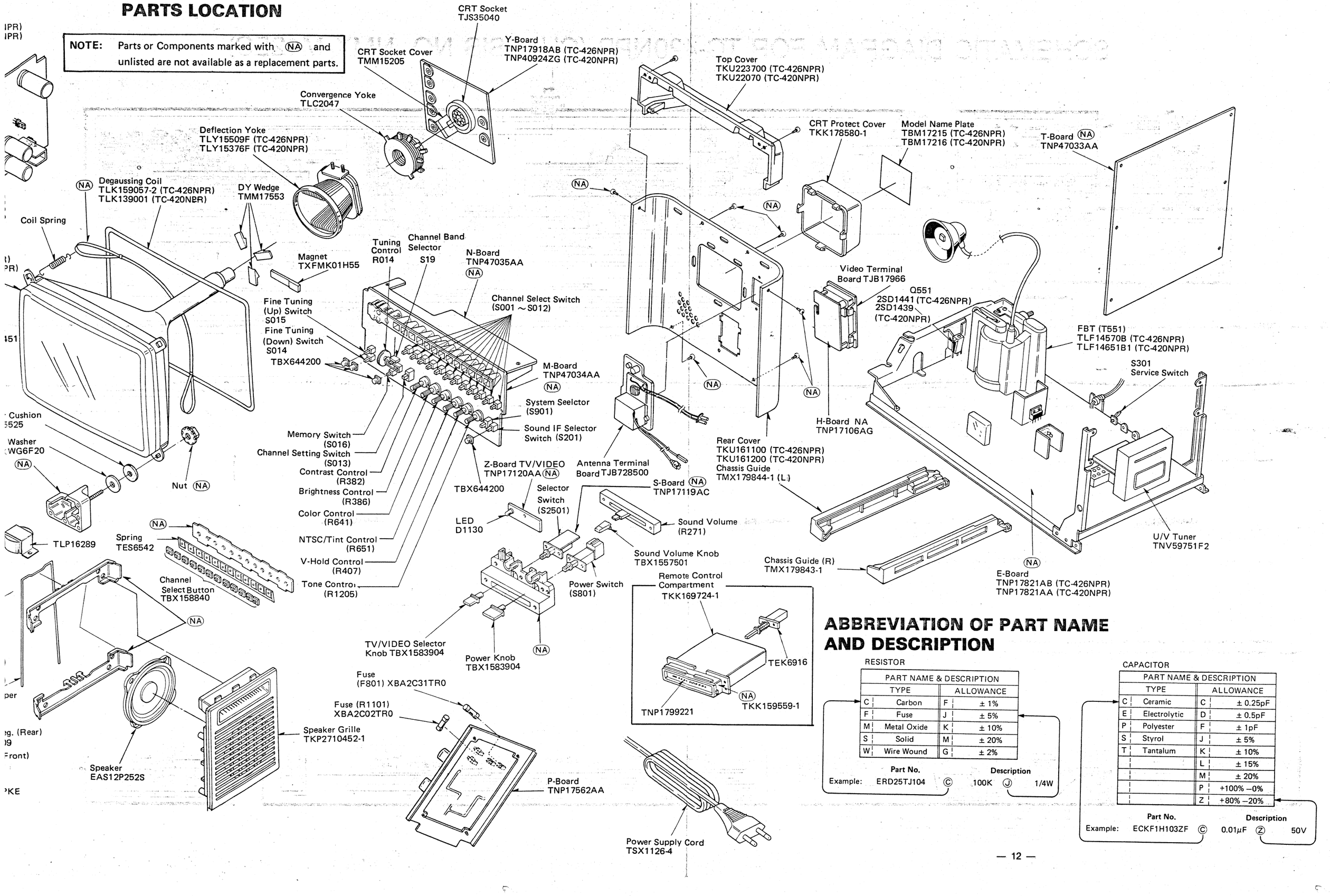
PART

NOTE: Parts or C
unlisted ar



PARTS LOCATION

NOTE: Parts or Components marked with (NA) and unlisted are not available as a replacement parts.



ABBREVIATION OF PART NAME AND DESCRIPTION

RESISTOR

PART NAME & DESCRIPTION			
TYPE		ALLOWANCE	
C	Carbon	F	± 1%
F	Fuse	J	± 5%
M	Metal Oxide	K	± 10%
S	Solid	M	± 20%
W	Wire Wound	G	± 2%

Example: ERD25TJ104 (C) 100K (J) 1/4W

Part No. Description

CAPACITOR

PART NAME & DESCRIPTION			
TYPE		ALLOWANCE	
C	Ceramic	C	± 0.25pF
E	Electrolytic	D	± 0.5pF
P	Polyester	F	± 1pF
S	Styrol	J	± 5%
T	Tantalum	K	± 10%
		L	± 15%
		M	± 20%
		P	+100% –0%
		Z	+80% –20%

Example: ECKF1H103ZF (C) 0.01μF (Z) 50V

Part No. Description

REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by shaded area have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

NOTE: TNP17561AA(TC-420NPR)/TNP17561AB(TC-426NPR), (D-Board), TNP17821AA(TC-420NPR)/TNP17821AB(TC-426NPR), (E-Board), TNP17262AA(L-Board), TNP17562AA(P-Board), TNP47033AA(T-Board), TNP47034AA(M-Board) and TNP47035AA(N-Board) are not available as completed circuit board.

COMMON PARTS

RESISTORS

Ref. No.	Part No.	Description
R 001	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 002	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 003	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 004	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 005	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 006	ERD25TJ103	C 10KOHM, J, 1/4W
R 007	ERD25TJ103	C 10KOHM, J, 1/4W
R 008	ERD25TJ103	C 10KOHM, J, 1/4W
R 009	ERD25TJ103	C 10KOHM, J, 1/4W
R 010	ERD25TJ103	C 10KOHM, J, 1/4W
R 011	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 012	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 014	EWEU2A010B15	TUNING 100KOHMB
R 015	ERD25TJ222	C 2.2KOHM, J, 1/4W
R 016	ERD25TJ104	C 100KOHM, J, 1/4W
R 017	ERD25TJ101	C 100OHM, J, 1/4W
R 018	ERD25TJ562	C 5.6KOHM, J, 1/4W
R 019	ERD25TJ562	C 5.6KOHM, J, 1/4W
R 020	ERD25TJ562	C 5.6KOHM, J, 1/4W
R 021	ERD25TJ103	C 10KOHM, J, 1/4W
R 022	ERD25TJ102	C 1KOHM, J, 1/4W
R 023	ERD25TJ332	C 3.3KOHM, J, 1/4W
R 024	ERD25TJ271	C 270OHM, J, 1/4W
R 025	ERG1ANJ151H	M 150OHM, J, 1W
R 026	ERD25TJ220	C 22OHM, J, 1/4W
R 027	ERD25TJ223	C 22KOHM, J, 1/4W
R 049	ERD75TAJ825	C 8.2MOHM, J, 3/4W
R 051	ERD25TLJ104	C 100KOHM, J, 1/4W
R 056	ERG2SJ682H	M 6.8KOHM, J, 2W
R 057	ERD25TLJ334	C 330KOHM, J, 1/4W
R 058	ERD25TJ100	C 10OHM, J, 1/4W
R 070	ERG1ANJ270H	M 27OHM, J, 1W
R 101	ERD25TLJ470	C 47OHM, J, 1/4W
R 102	ERD25TLJ392	C 3.9KOHM, J, 1/4W
R 103	EVLS0MA00B53	RF, AGC 5KOHMB
R 104	ERD25TLJ332	C 3.3KOHM, J, 1/4W
R 105	ERD25TLJ272	C 2.7KOHM, J, 1/4W
R 106	ERD25TJ822	C 8.2KOHM, J, 1/4W
R 107	ERD25TLJ102	C 1KOHM, J, 1/4W
R 108	ERD25TLJ683	C 68KOHM, J, 1/4W
R 109	ERD25TLJ823	C 82KOHM, J, 1/4W
R 110	ERD25TLJ332	C 3.3KOHM, J, 1/4W
R 111	ERD25TLJ100	C 10OHM, J, 1/4W
R 112	ERD25TLJ122	C 1.2KOHM, J, 1/4W
R 113	ERD25TLJ332	C 3.3KOHM, J, 1/4W
R 114	ERD25TLJ101	C 100OHM, J, 1/4W
R 116	ERD25TLJ680	C 68OHM, J, 1/4W
R 121	ERD25TLJ562	C 5.6KOHM, J, 1/4W
R 122	ERD25TLJ562	C 5.6KOHM, J, 1/4W
R 123	ERD25TLJ562	C 5.6KOHM, J, 1/4W
R 124	ERD25TLJ562	C 5.6KOHM, J, 1/4W
R 125	ERD25TLJ822	C 8.2KOHM, J, 1/4W
R 126	ERD25TLJ222	C 2.2KOHM, J, 1/4W
R 151	ERD25TLJ472	C 4.7KOHM, J, 1/4W
R 152	ERD25TLJ183	C 18KOHM, J, 1/4W
R 201	ERD25TLJ471	C 470OHM, J, 1/4W
R 202	ERD25TLJ222	C 2.2KOHM, J, 1/4W
R 203	ERDS1FJ151	C 150OHM, J, 1/2W
R 212	ERD25TJ271	C 270OHM, J, 1/4W
R 251	ERD25TLJ4R7	C 4.7OHM, J, 1/4W
R 252	ERD25TLJ822	C 8.2KOHM, J, 1/4W
R 254	ERD25TLJ121	C 120OHM, J, 1/4W
R 255	ERD25TLJ332	C 3.3KOHM, J, 1/4W
R 256	ERD25TLJ471	C 470OHM, J, 1/4W
R 258	ERD25TJ102	C 1KOHM, J, 1/4W
R 271	EVAR5615CB14	VOLUME 10KOHMB
R 280	ERD25TLJ331	C 330OHM, J, 1/4W
R 301	ERD25TLJ122	C 1.2KOHM, J, 1/4W
R 302	EVN89AA00B13	SUB CONTRAST 1KOHMB
R 303	ERD25TLJ821	C 820OHM, J, 1/4W
R 304	EVLS0MA00B23	SUB BRIGHT 2KOHMB
R 305	ERD25TJ822	C 8.2KOHM, J, 1/4W
R 306	ERD25TLJ221	C 220OHM, J, 1/4W
R 307	ERD25TLJ392	C 3.9KOHM, J, 1/4W
R 308	ERD25TLJ821	C 820OHM, J, 1/4W
R 309	ERD25TLJ561	C 560OHM, J, 1/4W
R 310	EVLS0MA00B14	PIX 10KOHMB
R 311	ERD25TLJ122	C 1.2KOHM, J, 1/4W
R 312	ERD25TLJ561	C 560OHM, J, 1/4W
R 313	ERD25TLJ473	C 47KOHM, J, 1/4W
R 315		3.9K
R 320	ERD25TLJ333	C 33KOHM, J, 1/4W
R 321	ERD25TJ103	C 10KOHM, J, 1/4W
R 323	ERD25TLJ123	C 12KOHM, J, 1/4W
R 324	ERD25TLJ100	C 10OHM, J, 1/4W
R 325	ERD25TLJ222	C 2.2KOHM, J, 1/4W

Ref. No.	Part No.	Description
R 351	ERG2SJ123H	M 12KOHM, J, 2W
R 352	ERG2SJ123H	M 12KOHM, J, 2W
R 353	ERG2SJ123H	M 12KOHM, J, 2W
R 354	ERDS1TJ272	C 2.7KOHM, J,1/2W
R 355	ERDS1TJ272	C 2.7KOHM, J,1/2W
R 356	ERDS1TJ272	C 2.7KOHM, J,1/2W
R 366	ERD25TJ181	C 180OHM, J,1/4W
R 367	ERD25TJ331	C 330OHM, J,1/4W
R 368	ERD25TJ181	C 180OHM, J,1/4W
R 369	EVLS3MA00B32	R-DRIVE 3000HMB
R 371	EVLS3MA00B32	B-DRIVE 3000HMB
R 374	ERD25TLJ273	C 27KOHM, J,1/4W
R 375	ERD25TLJ563	C 56KOHM, J,1/4W
R 376	ERD25TLJ122	C 1.2KOHM, J,1/4W
R 377	ERD25TLJ821	C 820OHM, J,1/4W
R 378	ERD25TLJ102	C 1KOHM, J,1/4W
R 380	ERD25TLJ152	C 1.5KOHM, J,1/4W
R 381	ERD25TLJ222	C 2.2KOHM, J,1/4W
R 382	EVJFHAE25B14	CONTRAST 10KOHMB
R 383	ERD25TJ562	C 5.6KOHM, J,1/4W
R 384	ERD25TJ332	C 3.3KOHM, J,1/4W
R 386	EVJFHAE25B52	BRIGHT 5000HMB
R 390	ERD25TLJ681	C 680OHM, J,1/4W
R 394	ERD25TLJ104	C 100KOHM, J,1/4W
R 397	ERD25TLJ154	C 150KOHM, J,1/4W
R 401	ERD25TLJ471	C 470OHM, J,1/4W
R 402	ERD25TLJ221	C 220OHM, J,1/4W
R 403	ERD25TLJ393	C 39KOHM, J,1/4W
R 404	ERD25TLJ684	C 680KOHM, J,1/4W
R 405	ERD25TLJ125	C 1.2MOHM, J,1/4W
R 406	ERD25TLJ123	C 12KOHM, J,1/4W
R 407	EVJFHAE25B14	V-HOLD 10KOHMB
R 408	ER025CKF8201	M 8.2KOHM, F,1/4W
R 411	EVLS0MA00B25	V-HEIGHT 200KOHMB
R 412	ERD25TLJ562	C 5.6KOHM, J,1/4W
R 413	ERD25TLJ562	C 5.6KOHM, J,1/4W
R 416	ERD25TLJ472	C 4.7KOHM, J,1/4W
R 422	ERD25TLJ681	C 680OHM, J,1/4W
R 423	ERD25TLJ153	C 15KOHM, J,1/4W
R 424	ERD25TJ153	C 15KOHM, J,1/4W
R 425	ERD25TLJ223	C 22KOHM, J,1/4W
R 427	ERD25TLJ153	C 15KOHM, J,1/4W
R 428	ERD25TLJ122	C 1.2KOHM, J,1/4W

Ref. No.	Part No.	Description
R 501	EVLS0MA00B14	H. CENTER 10KOHMB
R 502	ERD25TLJ153	C 15KOHM, J,1/4W
R 503	ERD25TLJ122	C 1.2KOHM, J,1/4W
R 504	ERD25TLJ332	C 3.3KOHM, J,1/4W
R 505	ERD25TLJ273	C 27KOHM, J,1/4W
R 506	ER025CKF2551	M 2.55KOHM, F,1/4W
R 507	EVLS0MA00B13	H. HOLD 1KOHMB
R 508	ERD25TLJ272	C 2.7KOHM, J,1/4W
R 509	ERD25TLJ223	C 22KOHM, J,1/4W
R 512	ERG2ANJ103	M 10KOHM, J, 2W
R 513	ERD25TJ471	C 4700HM, J,1/4W
R 514	ERD25TLJ221	C 2200HM, J,1/4W
R 520	ERD25TLJ221	C 2200HM, J,1/4W
R 521	ERD25TLJ683	C 68KOHM, J,1/4W
R 522	ERD25TJ334	C 330KOHM, J,1/4W
R 524	ER025TKF1242	M 12.4KOHM, 1/4W
R 528		
R 554	ERD25TJ223	C 22KOHM, J,1/4W
R 557	ERDS1TJ105	C 1MOHM, J,1/2W
R 590	ERDS1FJ331	C 3300HM, J,1/2W
R 601	ERD25TLJ221	C 2200HM, J,1/4W
R 602	EVN89AA00B15	SUB COLOUR 100KOHMB
R 603	ERD25TLJ102	C 1KOHM, J,1/4W
R 605	EVN89AA00B23	D.L. ADJ. 2KOHMB
R 606	ERD25TLJ471	C 4700HM, J,1/4W
R 607	ERD25TLJ224	C 220KOHM, J,1/4W
R 609	ERD25TLJ822	C 8.2KOHM, J,1/4W
R 610	ERD25TJ822	C 8.2KOHM, J,1/4W
R 615	EVN89AA00B14	APC 10KOHMB
R 616	ERD25TLJ821	C 8200HM, J,1/4W
R 617	ERD25TLJ332	C 3.3KOHM, J,1/4W
R 618	ERD25TLJ104	C 100KOHM, J,1/4W
R 619	ERD25TLJ822	C 8.2KOHM, J,1/4W
R 620	ERD25TLJ4R7	C 4.70HM, J,1/4W
R 621	ERD25TLJ183	C 18KOHM, J,1/4W
R 622	ERD25TLJ391	C 3900HM, J,1/4W
R 623	ERD25TLJ391	C 3900HM, J,1/4W
R 624	ERD25TLJ391	C 3900HM, J,1/4W
R 625	ERD25TLJ391	C 3900HM, J,1/4W
R 626	ERD25TLJ391	C 3900HM, J,1/4W
R 627	ERD25TLJ223	C 22KOHM, J,1/4W
R 628	ERD25TLJ223	C 22KOHM, J,1/4W
R 641	EVJFHAE25C14	COLOR 10KOHMC

Ref. No.	Part No.	Description
642	ERD25TLJ221	C 220OHM, J,1/4W
648	ERD25TLJ102	C 1KOHM, J,1/4W
649	ERD25TLJ102	C 1KOHM, J,1/4W
650	ERD25TJ102	C 1KOHM, J,1/4W
651	EVJFHAE25B14	TINT 10KOHMB
659	ERD25TLJ221	C 220OHM, J,1/4W
661	ERD25TLJ682	C 6.8KOHM, J,1/4W
662	ERD25TLJ332	C 3.3KOHM, J,1/4W
664	ERD25TLJ221	C 220OHM, J,1/4W
666	ERD25TLJ332	C 3.3KOHM, J,1/4W
667	ERD25TLJ332	C 3.3KOHM, J,1/4W
668	ERD25TLJ332	C 3.3KOHM, J,1/4W
670	ERD25TLJ102	C 1KOHM, J,1/4W
672	ERD25TLJ393	C 39KOHM, J,1/4W
673	ERD25TLJ823	C 82KOHM, J,1/4W
674	ERD25TLJ104	C 100KOHM, J,1/4W
675	ERD25TLJ104	C 100KOHM, J,1/4W
676	ERD25TLJ471	C 470OHM, J,1/4W
677	ERD25TLJ395	C 3.9MOHM, J,1/4W
678	ERD25TLJ151	C 150OHM, J,1/4W
679	ERD25TLJ332	C 3.3KOHM, J,1/4W
680	ERD25TLJ272	C 2.7KOHM, J,1/4W
686	ERD25TJ154	C 150KOHM, J,1/4W
688	ERD25TLJ273	C 27KOHM, J,1/4W
690	ERD25TLJ392	C 3.9KOHM, J,1/4W
691	ERD25TLJ393	C 39KOHM, J,1/4W
802	ERDS1TJ564	C 560KOHM, J,1/2W
806	EVN89AA00B52	+B ADJ. 5000HMB
813	ERD75TAJ825	C 8.2MOHM, J,3/4W
818	ERG1ANJ683H	M 68KOHM, J, 1W
819	ERW12PJR15C	W 0.150HM, J,1/2W
820	ERQ12HKR82P	F 0.820HM, K,1/2W
821	ERD25TJ105	C 1MOHM, J,1/4W
822	ERD25TLJ183	C 18KOHM, J,1/4W
823	ERD25TLJ183	C 18KOHM, J,1/4W
824	ERD25TJ103	C 10KOHM, J,1/4W
825	ERD25TLJ104	C 100KOHM, J,1/4W
826	ERD25TJ104	C 100KOHM, J,1/4W
827	ERD25TJ473	C 47KOHM, J,1/4W
828	ERD25TJ393	C 39KOHM, J,1/4W
829	ERD25TJ271	C 270OHM, J,1/4W
830	ER050CKF3243	M 324KOHM, F,1/2W
831	ER025CKF3242	M32.4KOHM, F,1/4W

Ref. No.	Part No.	Description
R 832	ERD25TJ103	C 10KOHM, J,1/4W
R 833	ERG2ANJ823H	M 82KOHM, J, 2W
R 834	ERD25TJ153	C 15KOHM, J,1/4W
R 835	ERD25TJ103	C 10KOHM, J,1/4W
R 836	ERD25TJ561	C 560OHM, J,1/4W
R 837	ERG5ZJ682	M 6.8KOHM, J, 5W
R 838	ERG2ANJ333H	M 33KOHM, J, 2W
R 839	ERG2ANJ333H	M 33KOHM, J, 2W
R 847	ERD25TJ392	C 3.9KOHM, J,1/4W
R 848	ERD25TJ392	C 3.9KOHM, J,1/4W
R 850	ERC12ZGK335	S 3.3MOHM, K,1/2W
R 853	ECKD3D101KBN	C 100PF, K, 2KV
R 861	ERDS1TJ564	C 560KOHM, J,1/2W
R 862	ERQ14LKR39P	F 0.390HM, K,1/4W
R 863	ERD25TJ101	C 1000HM, J,1/4W
R 901	ERD25TJ472	C 4.7KOHM, J,1/4W
R 902	ERD25TLJ103	C 10KOHM, J,1/4W
R 903	EVLSOMA00B15	NTSC. V. HOLD 100KOHMB
R 906	ERD25TLJ683	C 68KOHM, J,1/4W
R 907	EVLSOMA00B55	NTSC. H. HOLD 500KOHMB
R 908	ERD25TLJ103	C 10KOHM, J,1/4W
R 909	ERD25TLJ823	C 82KOHM, J,1/4W
R 910	ERD25TJ472	C 4.7KOHM, J,1/4W
R 911	ERD25TLJ393	C 39KOHM, J,1/4W
R 912	ERD25TLJ272	C 2.7KOHM, J,1/4W
R 913	ERD25TLJ684	C 680KOHM, J,1/4W
R 914	ERD25TLJ153	C 15KOHM, J,1/4W
R 918	ERD25TLJ104	C 100KOHM, J,1/4W
R 919	ERD25TLJ102	C 1KOHM, J,1/4W
R 920	ERD25TLJ104	C 100KOHM, J,1/4W
R 930	ERD25TLJ153	C 15KOHM, J,1/4W
R 935	ERD25TLJ103	C 10KOHM, J,1/4W
R 936	ERD25TLJ104	C 100KOHM, J,1/4W
R 937	ERD25TLJ104	C 100KOHM, J,1/4W
R 938	ERD25TLJ103	C 10KOHM, J,1/4W
R 951	ERD25TLJ273	C 27KOHM, J,1/4W
R 952	ERD25TJ221	C 220OHM, J,1/4W
R 1001	ERD10TJ332	C 3.3KOHM, J,1/8W
R 1002	ERD10TJ470	C 47OHM, J,1/8W
R 1003	ERD10TJ223	C 22KOHM, J,1/8W
R 1004	ERD25TJ1R0	C 1OHM, J,1/4W
R 1110	ERQ14AJ100P	F 100HM, J,1/4W

Ref. No.	Part No.	Description
R 1117	EVNM4AA00B34	CLOCK ADJ. 30KOHMB
R 1118	ERD25TJ101	C 100OHM, J,1/4W
R 1119	ERD25TJ102	C 1KOHM, J,1/4W
R 1120	ERD25TJ222	C 2.2KOHM, J,1/4W
R 1121	ERD25TJ103	C 10KOHM, J,1/4W
R 1124	ERD25TJ102	C 1KOHM, J,1/4W
R 1125	ERD25TJ472	C 4.7KOHM, J,1/4W
R 1129	ERD25TJ563	C 56KOHM, J,1/4W
R 1130	ERD25TJ273	C 27KOHM, J,1/4W
R 1131	ERD25TJ562	C 5.6KOHM, J,1/4W
R 1132	ERD25TJ222	C 2.2KOHM, J,1/4W
R 1134	ERD25TJ472	C 4.7KOHM, J,1/4W
R 1136	ERD25TJ562	C 5.6KOHM, J,1/4W
R 1137	ERD25TJ123	C 12KOHM, J,1/4W
R 1138	ERD25TJ121	C 120OHM, J,1/4W
R 1139	ERD25TJ103	C 10KOHM, J,1/4W
R 1140	ERD25TJ121	C 120OHM, J,1/4W
R 1142	ERD25TJ333	C 33KOHM, J,1/4W
R 1144	ERD25TJ103	C 10KOHM, J,1/4W
R 1145	ERD25TJ103	C 10KOHM, J,1/4W
R 1146	ERD50FJ121	C 120OHM, J,1/2W
R 1147	ERG3ANJ122H	M 1.2KOHM, J, 3W
R 1148	ERG3ANJ102H	M 1KOHM, J, 3W
R 1154	ERD25TJ101	C 100OHM, J,1/4W
R 1155	ERD25TJ102	C 1KOHM, J,1/4W
R 1158	ERD25TJ683	C 68KOHM, J,1/4W
R 1159	ERD25TJ223	C 22KOHM, J,1/4W
R 1160	ERD25TJ102	C 1KOHM, J,1/4W
R 1165	ERD25TJ103	C 10KOHM, J,1/4W
R 1168	ERD25TJ103	C 10KOHM, J,1/4W
R 1205	EVJFHAE25A53	TONE 5KOHMA
R 1228	ERD25TJ562	C 5.6KOHM, J,1/4W
R 1229	ERD25TJ821	C 820OHM, J,1/4W
R 1230	ERD25TJ332	C 3.3KOHM, J,1/4W
R 1231	ERD25TJ220	C 22OHM, J,1/4W
R 1240	ERD25TJ152	C 1.5KOHM, J,1/4W
R 1241	ERG1ANJ121H	M 120OHM, J, 1W
R 1251	ERD25TJ183	C 18KOHM, J,1/4W
R 1252	ERD25TJ123	C 12KOHM, J,1/4W
R 1253	ERD25TJ103	C 10KOHM, J,1/4W
R 1254	ERD25TJ103	C 10KOHM, J,1/4W
R 1255	ERD25TJ103	C 10KOHM, J,1/4W
R 1257	ERD25TJ391	C 390OHM, J,1/4W
R 1258	ERD50TJ151	C 150OHM, J,1/2W
R 1259	ERD25TJ223	C 22KOHM, J,1/4W
R 1260	ERD25TJ103	C 10KOHM, J,1/4W
R 1261	ERD25TJ683	C 68KOHM, J,1/4W
R 1262	ERD25TJ562	C 5.6KOHM, J,1/4W
R 1263	ERD25TJ101	C 100OHM, J,1/4W
R 1264	ERD25TJ103	C 10KOHM, J,1/4W
R 1265	ERD25TJ103	C 10KOHM, J,1/4W
R 1266	ERD25TJ104	C 100KOHM, J,1/4W
R 1267	ERD25TJ473	C 47KOHM, J,1/4W
R 1268	ERD25TJ473	C 47KOHM, J,1/4W
R 1269	ERD25TJ124	C 120KOHM, J,1/4W
R 1270	ERD25TJ102	C 1KOHM, J,1/4W
R 1273	ERD25TJ104	C 100KOHM, J,1/4W
R 1274	ERD25TJ333	C 33KOHM, J,1/4W
R 1276	ERD25TJ563	C 56KOHM, J,1/4W
R 1277	ERD25TJ101	C 100OHM, J,1/4W
R 1278	ERD25TJ102	C 1KOHM, J,1/4W
R 1279	ERD25TJ102	C 1KOHM, J,1/4W
R 1280	ERD25TJ183	C 18KOHM, J,1/4W
R 1281	ERD25TJ103	C 10KOHM, J,1/4W
R 1282	ERD25TJ472	C 4.7KOHM, J,1/4W
R 1283	ERG2ANJ221H	M 220OHM, J, 2W
R 1284	ERD25TJ151	C 150OHM, J,1/4W
R 1285	ERD25TJ103	C 10KOHM, J,1/4W
R 1286	ERD25TJ223	C 22KOHM, J,1/4W
R 1287	ERD25TJ223	C 22KOHM, J,1/4W
R 1288	ERD25TJ103	C 10KOHM, J,1/4W
R 1289	ERD25TJ333	C 33KOHM, J,1/4W
R 1290	ERD25TJ123	C 12KOHM, J,1/4W
R 1291	ERD25TJ100	C 10OHM, J,1/4W
R 1292	ERD25TJ820	C 82OHM, J,1/4W
R 1293	ERD25TJ100	C 10OHM, J,1/4W
R 1294	ERD25TJ273	C 27KOHM, J,1/4W
R 1296	ERD25TJ682	C 6.8KOHM, J,1/4W
R 1297	ERD25TJ124	C 120KOHM, J,1/4W
R 1298	ERD25TJ562	C 5.6KOHM, J,1/4W
R 1299	ERD25TJ153	C 15KOHM, J,1/4W
R 1300	ERD25TJ273	C 27KOHM, J,1/4W
R 2501	ERD25TJ271	C 270OHM, J,1/4W
R 2502	ERD25TJ153	C 15KOHM, J,1/4W
R 2503	ERD25TJ123	C 12KOHM, J,1/4W
R 2504	ERD25TJ561	C 560OHM, J,1/4W

Ref. No.	Part No.	Description
R 2505	ERD25TJ102	C 1KOHM, J, 1/4W
R 2506	ERD25TJ101	C 100OHM, J, 1/4W
R 2507	ERD25TJ182	C 1.8KOHM, J, 1/4W
R 2508	ERD25TJ102	C 1KOHM, J, 1/4W
R 2509	ERQ14AJ100P	F 10OHM, J, 1/4W
R 2510	ERQ14AJ100P	F 10OHM, J, 1/4W
R 2511	ERD25TJ333	C 33KOHM, J, 1/4W
R 2512	ERD25TJ123	C 12KOHM, J, 1/4W
R 2513	ERD25TJ222	C 2.2KOHM, J, 1/4W
R 2514	ERD25TJ102	C 1KOHM, J, 1/4W
R 2515	ERD25TJ101	C 100OHM, J, 1/4W
R 2516	ERDS1TJ221	C 220OHM, J, 1/2W
R 2517	ERD25TJ680	C 68OHM, J, 1/4W
R 2518	ERD25TJ101	C 100OHM, J, 1/4W
R 2519	ERD25TJ103	C 10KOHM, J, 1/4W
R 2520	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 2521	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 2522	ERD25TJ682	C 6.8KOHM, J, 1/4W
R 2523	ERD25TJ682	C 6.8KOHM, J, 1/4W
R 2524	ERD25TJ104	C 100KOHM, J, 1/4W
R 2525	ERD25TJ104	C 100KOHM, J, 1/4W
R 2526	ERD25TJ222	C 2.2KOHM, J, 1/4W
R 2527	ERD25TJ222	C 2.2KOHM, J, 1/4W
R 2528	ERD25TJ471	C 470OHM, J, 1/4W
R 2529	ERD25TJ102	C 1KOHM, J, 1/4W
R 2530	ERD25TJ102	C 1KOHM, J, 1/4W
R 2531	ERD25TJ102	C 1KOHM, J, 1/4W
R 2532	ERD25TJ220	C 22OHM, J, 1/4W
R 2535	ERQ14AJ100P	F 10OHM, J, 1/4W
R 2536	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 2537	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 2538	ERD25TJ392	C 3.9KOHM, J, 1/4W
R 2539	ERD25TJ822	C 8.2KOHM, J, 1/4W
R 2540	ERD25TJ471	C 470OHM, J, 1/4W
R 2541	ERD25TJ332	C 3.3KOHM, J, 1/4W
R 2542	ERD25TJ103	C 10KOHM, J, 1/4W
R 2543	ERD25TJ103	C 10KOHM, J, 1/4W
R 2544	ERD25TJ104	C 100KOHM, J, 1/4W
R 2545	ERD25TJ104	C 100KOHM, J, 1/4W
R 2546	ERD25TJ103	C 10KOHM, J, 1/4W
R 2547	ERD25TJ472	C 4.7KOHM, J, 1/4W
R 2548	ERD25TJ223	C 22KOHM, J, 1/4W
R 2549	ERD25TJ103	C 10KOHM, J, 1/4W

Ref. No.	Part No.	Description
R 2550	ERD25TJ223	C 22KOHM, J, 1/4W
R 2552	ERD25TJ471	C 470OHM, J, 1/4W
R 2553	ERD25TJ103	C 10KOHM, J, 1/4W
R 2554	ERD25TJ471	C 470OHM, J, 1/4W
R 2555	ERD25TJ102	C 1KOHM, J, 1/4W
R 2556	ERD25TJ221	C 220OHM, J, 1/4W
R 2557	ERQ14AJ100P	F 10OHM, J, 1/4W
R 2558	ERD25TJ333	C 33KOHM, J, 1/4W
R 2559	ERD25TJ123	C 12KOHM, J, 1/4W
R 2560	ERD25TJ102	C 1KOHM, J, 1/4W
R 2561	ERD25TJ102	C 1KOHM, J, 1/4W
R 2562	ERD25TJ101	C 100OHM, J, 1/4W
R 2563	ERDS1TJ221	C 220OHM, J, 1/2W
R 2564	ERD25TJ680	C 68OHM, J, 1/4W
R 2566	ERD25TJ562	C 5.6KOHM, J, 1/4W
R 2567	ERD25TJ332	C 3.3KOHM, J, 1/4W
R 2568	ERD25TJ332	C 3.3KOHM, J, 1/4W
R 2569	ERD25TJ682	C 6.8KOHM, J, 1/4W
R 2570	ERD25TJ104	C 100KOHM, J, 1/4W
R 2571	ERD25TJ471	C 470OHM, J, 1/4W
R 2572	ERD25TJ471	C 470OHM, J, 1/4W
R 2701	ERD25TJ750	C 75OHM, J, 1/4W
R 2867	ERD25TJ182	C 1.8KOHM, J, 1/4W
R 2868	ERD25TJ100	C 10OHM, J, 1/4W

CAPACITORS

C 001	ECCF1H330JC	C 33PF, J, 50V
C 002	ECCF1H330JP	C 33PF, J, 50V
C 003	ECCF1H151JC	C 150PF, J, 50V
C 004	ECEA1CU100	E 10UF, 16V
C 005	ECKF1H103ZF	C 0.01UF, Z, 50V
C 006	ECEA1CU100	E 10UF, 16V
C 007	ECKF1H103ZF	C 0.01UF, Z, 50V
C 009	ECKF1H103ZF	C 0.01UF, Z, 50V
C 010	ECKF1H102KB	C 1000PF, K, 50V
C 011	ECKF1H103ZF	C 0.01UF, Z, 50V
C 049	ECKDHS471MB	C 470PF, M,
C 051	ECSF50ER68Y	T 0.68UF, 50V
C 052	TCBL1E103MR	C 0.01UF, M, 25V
C 053	ECSF16E10Y	T 10UF, 16V
C 054	ECSF16E22Y	T 22UF, 16V
C 055	ECEA1CU100	E 10UF, 16V
C 056	TCBL1E103MR	C 0.01UF, M, 25V

Ref. No.	Part No.	Description
C 057	ECSF35E1Y	T 1UF, 35V
C 058	ECEA1HU010	E 1UF, 50V
C 062	ECKF1H103ZF	C 0.01UF, Z, 50V
C 063	TCBL1H220J	C 22PF, J, 50V
C 064	TCBL1E103MR	C 0.01UF, M, 25V
C 065	TCBL1E103MR	C 0.01UF, M, 25V
C 101	TCBL1H102KB	C 1000PF, K, 50V
C 102	ECKF1H103ZF	C 0.01UF, Z, 50V
C 103	ECEA1HU010	E 1UF, 50V
C 104	TCBL1E103MR	C 0.01UF, M, 25V
C 105	TCBL1H060D	C 6PF, D, 50V
C 106	ECKF1H103ZF	C 0.01UF, Z, 50V
C 107	ECEA1CU471	E 470UF, 16V
C 108	TCBL1H102KB	C 1000PF, K, 50V
C 109	ECEA50Z1R5	E 1.5UF, 50V
C 110	TCBL1H060D	C 6PF, D, 50V
C 111	TCBL1H100JCH	C 10PF, J, 50V
C 112	TCBL1H8R2KCH	C 8.2PF, K, 50V
C 113	TCBL1H270JCH	C 27PF, J, 50V
C 114	TCBL1E103MR	C 0.01UF, M, 25V
C 115	TCBL1H470J	C 47PF, J, 50V
C 116	TCBL1H150J	C 15PF, J, 50V
C 117	TCBL1E103MR	C 0.01UF, M, 25V
C 118	TCBL1H270J	C 27PF, J, 50V
C 119	TCBL1E103MR	C 0.01UF, M, 25V
C 120	TCBL1H180J	C 18PF, J, 50V
C 151	ECCF1H070CC	C 7PF, C, 50V
C 152	TCBL1E103MR	C 0.01UF, M, 25V
C 201	TCBL1H470J	C 47PF, J, 50V
C 202	ECQM1H103KV	P 0.01UF, K, 50V
C 203	ECEA1CU330	E 33UF, 16V
C 204	TCBL1H120J	C 12PF, J, 50V
C 205	TCBL1E103MR	C 0.01UF, M, 25V
C 206	ECEA1CU331	E 330UF, 16V
C 207	ECQM1H273KV	P 0.027UF, K, 50V
C 250	ECEA1EU471	E 470UF, 25V
C 251	ECEA1CN220S	E 22UF, 16V
C 252	ECQM1H123KV	P 0.012UF, K, 50V
C 253	ECEA1HN010S	E 1UF, 50V
C 254	ECEA1HU3R3	E 3.3UF, 50V
C 255	ECQM1H473KV	P 0.047UF, K, 50V
C 256	ECEA1CU330	E 33UF, 16V
C 257	ECEA1CU471	E 470UF, 16V

Ref. No.	Part No.	Description
C 261	ECEA50MR22	E 0.22UF, 50V
C 264	TCBL1E103MR	C 0.01UF, M, 25V
C 301	ECEA1CU100	E 10UF, 16V
C 302	ECEA1HU3R3	E 3.3UF, 50V
C 303	ECEA1CN100S	E 10UF, 16V
C 304	ECEA1CU100	E 10UF, 16V
C 306	TCBL1H120J	C 12PF, J, 50V
C 307	ECEA1CU101	E 100UF, 16V
C 308	TCBL1E103MR	C 0.01UF, M, 25V
C 342	TCBL1H470J	C 47PF, J, 50V
C 401	ECEA1CU100	E 10UF, 16V
C 402	ECEA1HUR47	E 0.47UF, 50V
C 403	TCBL1H471KB	C 470PF, K, 50V
C 404	ECQM1H273KV	P 0.027UF, K, 50V
C 405	ECQM1H393KV	P 0.039UF, K, 50V
C 406	ECQM1H183KV	P 0.018UF, K, 50V
C 407	ECSF16E3R3V	T 3.3UF, 16V
C 408	ECEA1EF3R3	E 3.3UF, 25V
C 409	ECEA1CN101S	E 100UF, 16V
C 410	ECEA1CU221	E 220UF, 16V
C 411	ECEA50Z2R2	E 2.2UF, 50V
C 413	ECEA1EU222	E 2200UF, 25V
C 414	ECEA1VU101	E 100UF, 35V
C 415	ECQM1H104KV	P 0.1UF, K, 50V
C 416	ECEA1HN010S	E 1UF, 50V
C 418	ECQM1H472KV	P 4700PF, K, 50V
C 420	ECEA1VU330	E 33UF, 35V
C 501	TCBL1H561KB	C 560PF, K, 50V
C 502	TCBL1H271KB	C 270PF, K, 50V
C 503	ECQM1H562KV	P 5600PF, K, 50V
C 504	ECQM1H104KV	P 0.1UF, K, 50V
C 505	ECQM1H392KV	P 3900PF, K, 50V
C 506	ECEA1EU4R7	E 4.7UF, 25V
C 507	ECQK1782JZ	P 7800PF, J, 100V
C 509	ECEA1CU330	E 33UF, 16V
C 510	ECEA1CU470	E 47UF, 16V
C 512	ECEA1JU100	E 10UF, 63V
C 556	ECEA2ES100	E 10UF, 250V
C 557	ECEA160N1	E 1UF, 160V
C 558	ECEA1VU471	E 470UF, 35V
C 559	ECKD3D821JBN	C 820PF, J, 2KV
C 563	ECKD2H331KB2	C 330PF, K, 500V
C 564	ECKD2H331KB2	C 330PF, K, 500V

Ref. No.	Part No.	Description
C 605	ECQM1H273KV	P 0.027UF, K, 50V
C 606	TCBL1H221KB	C 220PF, K, 50V
C 607	TCBL1E103MR	C 0.01UF, M, 25V
C 608	TCBL1H221KB	C 220PF, K, 50V
C 609	ECCF1H330JC	C 33PF, J, 50V
C 610	ECCF1H470JC	C 47PF, J, 50V
C 611	ECEA1HUR47	E 0.47UF, 50V
C 612	TCBL1H101J	C 100UF, J, 50V
C 614	ECEA50ZR15	E 0.15UF, 50V
C 615	ECQM1H822JV	P 8200PF, J, 50V
C 616	ECEA1EN3R3S	E 3.3UF, 25V
C 617	ECEA1CU101	E 100UF, 16V
C 618	ECKF1H103ZF	C 0.01UF, Z, 50V
C 619	TCBL1H471KB	C 470PF, K, 50V
C 620	TCBL1H471KB	C 470PF, K, 50V
C 621	TCBL1H471KB	C 470PF, K, 50V
C 643	ECQM1H332JV	P 3300PF, J, 50V
C 649	TCBL1H680J	C 68PF, J, 50V
C 650	ECEA1HN010S	E 1UF, 50V
C 651	ECKF1H103ZF	C 0.01UF, Z, 50V
C 656	TCBL1H102KB	C 1000PF, K, 50V
C 662	TCBL1H060D	C 6PF, D, 50V
C 663	TCRHA070G11	TRIMMER
C 664	TCBL1H100J	C 10PF, J, 50V
C 666	TCBL1E103MR	C 0.01UF, M, 25V
C 801	ECQE10104MU	P 0.1UF, M, 1KV
C 802	ECQE10333MU	P 0.033UF, M, 1KV
C 803	ECKDGS102MD4	C 1000PF, M
C 809	ECEA50Z33	E 33UF, 50V
C 810	ECQM1H474KV	P 0.47UF, K, 50V
C 811	ECKD3D471KBN	C 470PF, K, 2KV
C 812	ECQM1H103KV	P 0.01UF, K, 50V
C 813	ECKDGS222MD4	C 2200PF, M,
C 816	ECKD3D271KBN	C 270PF, K, 2KV
C 820	ECET160V220S	E 220UF, 160V
C 821	ECEA1VU102	E 1000UF, 35V
C 823	ECKD3D122KBN	C 1200PF, K, 2KV
C 826	ECKD2H222KB2	C 2200PF, K, 500V
C 830	ECEA1HU101	E 100UF, 50V
C 831	ECEA2WS3R3	E 3.3UF, 450V
C 832	ECQM1H104KV	P 0.1UF, K, 50V
C 833	ECKD2H472PE8	C 4700PF, P, 500V
C 834	ECKD2H472PE8	C 4700PF, P, 500V
C 835	ECKD2H472PE8	C 4700PF, P, 500V

Ref. No.	Part No.	Description
C 838	ECKD2H472PE8	C 4700PF, P, 500V
C 839	ECKF1H102KB	C 1000PF, K, 50V
C 840	ECKD2H472PE8	C 4700PF, P, 500V
C 841	ECEA1VU102	E 1000UF, 35V
C 844	ECEA1VU471	E 470UF, 35V
C 846	ECEA1EU221	E 220UF, 25V
C 847	ECEA1CU470	E 47UF, 16V
C 850	ECQE10333MU	P 0.033UF, M, 1KV
C 852	ECEA1CU470	E 47UF, 16V
C 853	ECKD3D101KBN	100UF, 2KV
C 903	ECQM1H473KV	P 0.047UF, K, 50V
C 904	ECEA1HU3R3	E 3.3UF, 50V
C 905	ECEA1CU100	E 10UF, 16V
C 910	ECQM1H393KV	P 0.039UF, K, 50V
C 913	ECQM1H183KV	P 0.018UF, K, 50V
C 914	TCBL1E103MR	C 0.01UF, M, 25V
C 915	TCBL1E103MR	C 0.01UF, M, 25V
C 1001	ECKF1H101KB	C 100PF, K, 50V
C 1002	ECKF1H101KB	C 100PF, K, 50V
C 1005	ECEA0JK101	E 100UF, 6.3V
C 1110	ECEA1CU471	E 470UF, 16V
C 1112	ECQP1392JZ	P 3900PF, J, 1KV
C 1117	ECEA1HU100	E 10UF, 50V
C 1119	ECEA1CU220	E 22UF, 16V
C 1120	ECEA1CU100	E 10UF, 16V
C 1121	ECEA1CU100	E 10UF, 16V
C 1123	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1124	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1125	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1126	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1127	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1128	ECEA2AS331	E 330UF, 100V
C 1129	ECCF1H101JP	C 100PF, J, 50V
C 1130	ECEA0JU471	E 470UF, 6.3V
C 1131	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1136	ECEA1CU100	E 10UF, 16V
C 1137	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1138	ECEA1CU100	E 10UF, 16V
C 1139		22μF, 16V
C 1251	ECEA1CU100	E 10UF, 16V
C 1252	ECEA1CU101	E 100UF, 16V
C 1256	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1259	ECQM1H683KV	P 0.068UF, K, 50V
C 1260	ECQM1H104KV	P 0.1UF, K, 50V

Ref. No.	Part No.	Description
C 1261	ECQM1H273KV	P 0.027UF, K, 50V
C 1262	ECQM1H103KV	P 0.01UF, K, 50V
C 1264	ECQM1H823KV	P 0.082UF, K, 50V
C 1272	ECEA1CU101	E 100UF, 16V
C 1273	ECEA1HU100	E 10UF, 50V
C 1274	ECEA1EU221	E 220UF, 25V
C 1275	ECEA1CU330	E 33UF, 16V
C 1276	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1277	ECEA1CU100	E 10UF, 16V
C 1279	ECEA1CN470S	E 47UF, 16V
C 1280	ECEA1EU4R7	E 4.7UF, 25V
C 1282	ECKF1H103ZF	C 0.01UF, Z, 50V
C 1283	ECEA1HU4R7	E 4.7UF, 50V
C 1284	ECEA1CN100S	E 10UF, 16V
C 1285	ECEA1CU470	E 47UF, 16V
C 2501	ECEA1CU100	E 10UF, 16V
C 2502	ECCF1H470J	C 47PF, J, 50V
C 2503	ECCF1H680J	C 68PF, J, 50V
C 2504	ECEA1CU470	E 47UF, 16V
C 2505	ECKF1H103ZF	C 0.01UF, Z, 50V
C 2506	ECEA1CU331	E 330UF, 16V
C 2507	ECEA1CU331	E 330UF, 16V
C 2508	ECKF1H103ZF	C 0.01UF, Z, 50V
C 2509	ECEA1CU470	E 47UF, 16V
C 2510	ECCF1H470J	C 47PF, J, 50V
C 2511	ECKF1H103ZF	C 0.01UF, Z, 50V
C 2512	ECEA1CU330	E 33UF, 16V
C 2513	ECKF1H103ZF	C 0.01UF, Z, 50V
C 2514	ECEA1CU100	E 10UF, 16V
C 2516	ECEA1CU330	E 33UF, 16V
C 2517	ECEA1CU470	E 47UF, 16V
C 2518	ECKF1H103ZF	C 0.01UF, Z, 50V
C 2519	ECEA1CU100	E 10UF, 16V
C 2520	ECEA1CU100	E 10UF, 16V
C 2522	ECCF1H470J	C 47PF, J, 50V
C 2523	ECQM1H473KV	P 0.047UF, K, 50V
C 2524	ECCF1H080CC	C 8PF, C, 50V
C 2524	ECCF1H080J	
C 2525	ECQM1H183KV	P 0.018UF, K, 50V
C 2526	ECEA1CU100	E 10UF, 16V
C 2527	ECEA1CU470	E 47UF, 16V
C 2528	ECEA1CU331	E 330UF, 16V
C 2529	ECKF1H103ZF	C 0.01UF, Z, 50V

Ref. No.	Part No.	Description
C 2530	ECEA1CU470	E 47UF, 16V
C 2532	ECEA1CU3R3	E 3.3UF, 16V
C 2533	ECEA1CU3R3	E 3.3UF, 16V
C 2534	ECKF1H103ZF	C 0.01UF, Z, 50V
C 2535	ECCF1H470J	C 47PF, J, 50V
C 2536	ECCF1H470J	C 47PF, J, 50V
C 2537	ECEA1CU471	E 470UF, 16V
C 2538	TCRHA030E11	TRIMMER
C 2539	ECKF1H103ZF	C 0.01UF, Z, 50V
C 2540	ECEA1CU100	E 10UF, 16V

COILS

L 001	TLQ470K205C	PEAKING COIL 47U
L 051	TLT100K991K	PEAKING COIL 10U
L 101	TLI152656	FILTER
L 102	TLI153754	TRAP COIL
L 103	TLI153754	TRAP COIL
L 104	TLI157754	VIDEO IF TRANS.
L 105	TLI151757	VIDEO IF TRANS.
L 106	TLT151K991K	PEAKING COIL 150U
L 108	TLI157052	FILTER
L 109	TLT151K991K	PEAKING COIL 150U
L 116	TLT101K991K	PEAKING COIL 100U
L 201	TLS154251	AUDIO IF TRANS.
L 206	TLT820K991K	PEAKING COIL 82U
L 207	TLQ047K205C	PEAKING COIL 470U
L 301	TLK150872	DELAY LINE
L 302	TLX560J176C	PEAKING COIL 56U
L 401	TLT151K991K	PEAKING COIL 150U
L 402	TLQ082K126	PEAKING COIL 8.2U
L 554	TSC930-4	CHOKE COIL
L 555	TSC925-4	CHOKE COIL
L 555	TSC930-4	CHOKE COIL
L 604	TLQ082J205C	PEAKING COIL 8.2U
L 605	TLK158066	1H MATCHING COIL
L 611	TLT512J166C	PEAKING COIL 5.1M
L 612	EFDEN645A11G	DELAY LINE
L 617	TLT681K991K	PEAKING COIL 680U
L 618	TLT681K991K	PEAKING COIL 680U
L 619	TLT681K991K	PEAKING COIL 680U
L 801	TLP15560E	LINE FILTER COIL
L 802	TLP15565P	LINE FILTER
L 805	TLP15152	TRANS.
L 820	TLP408	FERRITE CORE

Ref. No.	Part No.	Description
L 821	TLP408	FERRITE CORE
L 824	TLP408	FERRITE CORE
L 901	TLT082K991K	PEAKING COIL 8.2U
L 1101	TLQ101K126	PEAKING COIL 100U
L 1102	TLT330K991K	PEAKING COIL 33U
L 2501	TLT100K991K	PEAKING COIL 10U
L 2502	TLT150K991K	PEAKING COIL 15U
L 2503	TLT151K991K	PEAKING COIL 150U
L 2505	TLS153258	SIF DET.COIL
L 2506	TLT151K991K	PEAKING COIL 150U
L 2507	TLT151K991K	PEAKING COIL 150U
LC 301	TLK66009-1	L-C COMBINATION
LC 302	TLK156053	TRAP COIL
LC 601	TLK153154	TRANS.
LC 602	TLK153155	TRANS.

TRANSFORMERS

T 501	TLH6476	H.DRIVE TRANS.

DIODES

D 001	LN31GCP-UHL	LED (GREEN)
D 002	LN31GCP-UHL	LED (GREEN)
D 003	LN31GCP-UHL	LED (GREEN)
D 004	LN31GCP-UHL	LED (GREEN)
D 005	LN31GCP-UHL	LED (GREEN)
D 006	LN31GCP-UHL	LED (GREEN)
D 007	LN31GCP-UHL	LED (GREEN)
D 008	LN31GCP-UHL	LED (GREEN)
D 009	LN31GCP-UHL	LED (GREEN)
D 010	LN31GCP-UHL	LED (GREEN)
D 011	LN31GCP-UHL	LED (GREEN)
D 012	LN31GCP-UHL	LED (GREEN)
D 013	LN31GCP-UHL	LED (GREEN)
D 014	MA150	DIODE
D 015	MA150	DIODE
D 016	MA150	DIODE
D 018	MA1051	ZENER DIODE
D 101	MA856	DIODE
D 102	MA856	DIODE
D 304	MA150	DIODE
D 305	MA161	DIODE
D 402	TVSEM1Z	DIODE
D 403	MA150	DIODE
D 405	MA27WA	DIODE
D 406	MA150	DIODE
D 502	TVSQA235C	ZENER DIODE
D 551	TVSEU2	DIODE
D 552	TVSRU2	DIODE
D 553	TVSEU2	DIODE
D 601	0A91A	DIODE
D 604	MA156	DIODE
D 606	0A91A	DIODE
D 607	MA150	DIODE
D 611	TVSQA210A	ZENER DIODE
D 805	TRPW5B0N180A	POSISTOR
D 807	TVSES1Z	DIODE
D 808	TVSES1C	DIODE
D 810	TVSQA206D	ZENER DIODE
D 816	TVSES1Z	DIODE
D 820	TVSC2408M	DIODE
D 822	TVSC2408M	DIODE
D 824	TVSSR2KN	DIODE
D 825	ON3205	IC
D 830	TVSRM10B	DIODE
D 831	TVSQA216G	ZENER DIODE
D 832	TVSQA207D	ZENER DIODE
D 833	TVSMI15RC	DIODE
D 834	TVSMI15SC	DIODE
D 839	TVSQA225M2	ZENER DIODE
D 841	TVSQA207D	ZENER DIODE
D 843	TVSRM10B	DIODE
D 845	ERZC10DK621	VARISTOR
D 901	MA154WA	DIODE
D 908	MA150	DIODE
D 909	MA150	DIODE
D 910	0A91A	DIODE
D 1001	TVSSE303A	DIODE (LED)
D 1002	TVSSE303A	LED (INFRARED)
D 1115	TVSS1WB10	RECTIFIER
D 1117	TVSQA206C	DIODE
D 1118	TVSQA205M6	ZENER DIODE
D 1119	TVSQA206C	DIODE
D 1120	MA161	DIODE
D 1121	TVSQA216A	ZENER DIODE
D 1123	MA150	DIODE
D 1124	MA150	DIODE
D 1125	MA150	DIODE
D 1130	LN41YCPHL	LED (AMBER)

Ref. No.	Part No.	Description
D 1131	LN21RCPHLC	LED (RED)
D 1251	MA150	DIODE
D 1252	MA1240L	ZENER DIODE
D 1253	MA150	DIODE
D 1256	MA150	DIODE
D 1257	MA150	DIODE
D 1260	MA162	DIODE
D 1261	MA150	DIODE
D 1262	MA150	DIODE
D 1270	MA150	DIODE
D 2501	MA856	DIODE
D 2502	MA856	DIODE
D 2503	MA1110	ZENER DIODE
D 2504	MA150	DIODE
D 2505	MA150	DIODE
D 2506	MA150	DIODE
D 2507	MA150	DIODE
D 2508	MA150	DIODE
D 2509	MA150	DIODE

I. C

IC 001	MN1411TX	MICRO PROCCESOR
IC 101	AN5132	IC (VIF,AFC)
IC 201	AN5250	IC (AUDIO,SIF)
IC 301	AN5615	IC (VIDEO)
IC 401	AN5521	IC (V-OUT)
IC 501	AN5435	IC (DEF,SYNC)
IC 601	AN5625	IC (PAL COLOR)
IC 802	TVSUC78M12H4	IC (AVR)
IC 901	AN5560	IC (SYSTEM SWITCH)
IC1001	MN6027B	MICRO COMPUTER
IC1112	MN1403TN	MICRO PROCCESOR
IC1202	MN1212A	IC (MEMORY)
IC1203	AN5031	IC (CH SELECT)
IC2501	TVSTC4066BP	IC (BILATERAL SW)
IC2502	TVSTA7347P	IC (VIDEO SWITCH)
IC2503	AN5215	IC (SIF,AUDIO)

TRANSISTORS

Q 001	2SA564A-R	LED DRIVE
Q 002	2SA564A-R	LED DRIVE
Q 003	2SA564A-R	LED DRIVE
Q 004	2SA564A-R	LED DRIVE
Q 301	2SA719-S	SERVICE SWITCH
Q 302	2SC1685-R	VERT. OFF. SWITCH
Q 309	2SC1685-R	VIDEO AMP.
Q 310	2SA564A-R	VIDEO AMP
Q 401	2SC1685-R	BUFFER
Q 601	2SC1685-R	BURST BLANKING
Q 603	2SC1685-R	PHASE SHIFT
Q 605	2SA564A-R	APC FILTER SWITCH
Q 801	2SA564A-R	PROTECTOR
Q 804	2SC1685-R	REFERENCE
Q 805	2SD1391	POWER OUTPUT
Q 807	2SC1685CR	CONTROL AMP.
Q 808	2SD965	STAND-BY
Q 830	2SC1685-R	VOLTAGE DETECT
Q 831	2SC1573B	RECT. SW. CONTROL
Q 832	TVSAC03EGMA0	RECTIFIER SWITCH
Q 833	TVS3P6MHYH	PROTECTOR
Q 901	2SC1685-R	50 Hz/60 Hz SWITCH
Q 902	2SC1685-R	TURN OUTPUT
Q 905	2SC1685-R	TRAP SWITCH
Q 906	2SC1685-R	TRAP SWITCH
Q 1001	2SC1684-R	AMP.
Q 1002	2SC1317-R	AMP.
Q 1112	2SA564-R	RESET (IC)
Q 1115	2SC1684-R	D/A CONVERTER
Q 1116	2SC1685-R	D/A CONVERTER
Q 1117	2SC1684-R	CH UP OUT
Q 1118	2SC1684-R	BUFFER
Q 1119	2SC1685-R	DRIVE
Q 1120	2SC1685-R	LED DRIVE
Q 1121	2SD1265	AVR
Q 1124	2SC1685-R	ON-OFF SWITCHING
Q 1126	2SD1273	AVR
Q 1127	2SC1685-R	BUFFER
Q 1205	2SA719-S	RESET
Q 1206	2SC1684-R	AFC SW.
Q 1208	2SC1684-R	DEFEAT
Q 1209	2SA564A-R	DEFEAT
Q 1210	2SC1685-R	POWER OFF DEFEAT
Q 1211	2SC1685-R	DEFEAT
Q 1212	2SC1685-R	DEFEAT
Q 2501	2SC1685-R	4.5 MHz TRAP
Q 2502	2SC1685-R	VIDEO AMP.

Ref. No.	Part No.	Description
Q 2503	2SC1685-R	BUFFER
Q 2504	2SC1685-R	VIDEO AMP.
Q 2505	2SC1685-R	BUFFER
Q 2506	2SC1685-R	MUTE
Q 2507	2SC1685-R	MUTE
Q 2508	2SA564A-R	MUTE
Q 2509	2SC1685-R	MUTE
Q 2510	2SC1685-R	VIDEO AMP.
Q 2511	2SC1685-R	BUFFER

OTHERS

	EAS12P252S	SPEAKER
	TBL61309	PLASTIC LEG
	TBL63403	PLASTIC LEG
	TBX1555200	KNOB
	TBX1556901	KNOB
	TBX1557501	SLIDE KNOB
	TBX1583904	KNOB (POWER)
	TBX1588400	SELECT BUTTON
	TBX644200	KNOB
	TEG37590	BATTERY COVER
	TEK6916	SWITCH
	TES4223	SPRING
	TES4239	SPRING
	TES4537	SPRING
	TES6542	SPRING
	TES6583	SPRING FOR TR
	TJB17966	A/V TERMINAL
	TJB728500	ANTENNA TERMINAL
	TJC6320	FUSE HOLDER,SMALL
	TJS168970	3P CONNECTOR
	TJS168980	4P CONNECTOR
	TJS168990	5P CONNECTOR
	TJS169020	8P CONNECTOR
	TJS169030	10P CONNECTOR
	TJS169040	12P CONNECTOR
	TJS35040	CRT SOCKET
	TJS38100	2P ADAPTOR
	TKK159559-1	
	TKK159562-1	GLASS STOPPER
	TKK169724-1	REMOCON BOX
	TKK169728-1	GLASS HOLDER
	TKK178313	FILM (VHF)
	TKK178504	HINGE FOR P.C.B
	TKK178580-1	CRT PROTECT COVER

Ref. No.	Part No.	Description
	TKP2710452-1	SPEAKER GRILL
	TLC2047	CONVERGENCE YOKE
	TLP16289	REMOCON TRANS
	TMM15205	CRT SOCKET COVER
	TMM15525	RUBBER CUSHION
	TMM17553	DY WEDGE
D-BOARD	TMX17408	CHASSIS GUIDE (R)
D-BOARD	TMX17409	CHASSIS GUIDE (L)
E-BOARD	TMZ179843-1	CHASSIS GUIDE (R)
E-BOARD	TMZ179844-1	CHASSIS GUIDE (L)
	TNP17106AG	CIRCUIT BOARD H
	TNP17119AC	CIRCUIT BOARD S
	TNP17120AA	CIRCUIT BOARD Z
	TNP17262AA	CIRCUIT BOARD L
	TNP17562AA	CIRCUIT BOARD P
	TNP47033AA	CIRCUIT BOARD T
	TNP47034AA	CIRCUIT BOARD M
	TNP47035AA	CIRCUIT BOARD N
	TNQ1459	REMOTE CONTROL T
	TNQ2451	REMOTE CONTROL R
	TNV59751F2	TUNER
	TQB610994	INSTRUCTION BOOK
	TSX1126-4	POWER SUPPLY CORD
	TXFKK11MGR	UHF CHANNEL FILM
	TXFKK41MGR	VHF CHANNEL FILM
	TXFMK01H55	MAGNET
	XWG6F20	WASHER
F 801	XBA2C31TRO	FUSE 250V 3.15A
F 1101	XBA2C02TRO	FUSE 250V 0.2A
J 251	TJS27970	EARPHONE SOCKET
J 252	TJS37151	SOCKET
S 001	EVQQ8R13K	CHANNEL SELECT SWITCH
S 002	EVQQ8R13K	CHANNEL SELECT SWITCH
S 003	EVQQ8R13K	CHANNEL SELECT SWITCH
S 004	EVQQ8R13K	CHANNEL SELECT SWITCH
S 005	EVQQ8R13K	CHANNEL SELECT SWITCH
S 006	EVQQ8R13K	CHANNEL SELECT SWITCH
S 007	EVQQ8R13K	CHANNEL SELECT SWITCH
S 008	EVQQ8R13K	CHANNEL SELECT SWITCH
S 009	EVQQ8R13K	CHANNEL SELECT SWITCH
S 010	EVQQ8R13K	CHANNEL SELECT SWITCH
S 011	EVQQ8R13K	CHANNEL SELECT SWITCH
S 012	EVQQ8R13K	CHANNEL SELECT SWITCH

Ref. No.	Part No.	Description
S 013	ESD3228	CHANNEL SETING SWITCH
S 014	EVQQ8R13K	FINE TUNING SWITCH
S 015	EVQQ8R13K	FINE TUNING SWITCH
S 016	EVQQ8R13K	MEMORY SWITCH
S 019	EVQR0BL12	BAND SELECT SWITCH
S 201	ESD3228	SOUND IN SELECTOR SWITCH
S 301	EVQR1AL13	SERVICE SWITCH
S 401	EVQR4AL13	SWITCH (Vert. Position)
S 801	ESB99262S	POWER SWITCH
S 901	TSE347	SYSTEM
S 2501	ESB712075	TV/VIDEO SELECTOR SWITCH
X 201	EFCS4R5MS4E	CERAMIC TRAP
X 601	TSS116M1	CRYSTAL
X 602	TSS816M	CRYSTAL OSCILATOR
X 903	EFCA4R5MB3	CERAMIC TRAP
X 1001	EF0A455K03	CERAMIC FILTER
X 2501	EFCS6R0MW3	TRAP
X 2502	EFCS5R5MW3	CERAMIC TRAP
X 2503	EFCA4R5MB3	CERAMIC TRAP
X 2504	EFCS6R0MS3	SOUND FILTER
X 2505	EFCS5R5MS3	CERAMIC FILTER

TC-426NPR UNIQUE PARTS

RESISTORS

Ref. No.	Part No.	Description
R 250	ERQ2CJP4R7S	F 4.7OHM, J, 2W
R 357	EVLS3MA00B33	R-LOW LIGHT 3KOHMB
R 358	EVLS3MA00B33	G-LOW LIGHT 3KOHMB
R 359	EVLS3MA00B33	B-LOW LIGHT 3KOHMB
R 363	ERD25TJ102	C 1KOHM, J, 1/4W
R 364	ERD25TJ102	C 1KOHM, J, 1/4W
R 365	ERD25TJ102	C 1KOHM, J, 1/4W
R 372	ERC12GK155	S 1.5MOHM, K, 1/2W
R 373	EVME6U10KB66	SCREEN 6MOHMB
R 410	ERD25TLJ393	C 39KOHM, J, 1/4W
R 414	ERD25TLJ822	C 8.2KOHM, J, 1/4W
R 415	ERD25TLJ222	C 2.2KOHM, J, 1/4W
R 417	ERD25FJ1R2	C 1.2OHM, J, 1/4W
R 419		3.9KOHM, 1/4W
R 420	ERDS1TJ681	C 680OHM, J, 1/2W
R 421	ERDS1TJ681	C 680OHM, J, 1/2W
R 426	ERD25TLJ332	C 3.3KOHM, J, 1/4W
R 429	ERDS1TJ561	C 560OHM, J, 1/2W
R 430	ERQ14LKR43P	F 0.43OHM, K, 1/4W
R 515	ERG2SJ332H	M 3.3KOHM, J, 2W
R 516	ERG2SJ181H	M 180OHM, J, 2W
R 517	ERQ2CJP681S	F 680OHM, J, 2W
R 523	ER625TKF1022	10.2KOHM, J, 1/4W
R 551	ERG2SJ102H	M 1KOHM, J, 2W
R 552	ERD25TLJ913	C 91KOHM, J, 1/4W
R 553	ERQ2CJP1R2S	F 1.2OHM, J, 2W
R 555	ERF2AK1R8	W 1.8OHM, K, 2W
R 560	ERF20BM100	W 10OHM, 20W
R 803	ERD25TJ121	C 120OHM, J, 1/4W
R 804	ERD25TJ271	C 270OHM, J, 1/4W
R 805	ER025CKF2211	M 2210OHM, F, 1/4W
R 807	ER025CKF1821	M 1820OHM, F, 1/4W
R 808	ERF7ZJ150	W 15OHM, J, 7W
R 809	ERF3AJ120H	W 12OHM, J, 3W
R 810	ERG3SJ270H	M 27OHM, J, 3W
R 811	ERX1SJ6R8P	M 6.8OHM, J, 1W
R 812	ERQ1CJP2R2S	F 2.2OHM, J, 1W
R 814	ERD25TJ105	C 1MOHM, J, 1/4W
R 815	ERD25TJ102	C 1KOHM, J, 1/4W
R 817	ERD25TJ561	C 560OHM, J, 1/4W
R 841	ERF10ZJ100	W 10OHM, J, 10W
R 842	ERF10ZJ100	W 10OHM, J, 10W
R 904	ERD25TLJ333	C 33KOHM, J, 1/4W
R 905	EVLS0MA00B35	NTSC. V. HEIGHT 300KOHMB
R 1114	ERD25TJ681	C 680OHM, J, 1/4W
R 2534	ERD25TJ103	C 10KOHM, J, 1/4W

CAPACITORS

C 351	ECKF1H331KB	C 330PF, K, 50V
C 352	ECKF1H471KB	C 470PF, K, 50V
C 353	ECKF1H471KB	C 470PF, K, 50V
C 412	ECEA50Z4R7	E 4.7UF, 50V
C 417	ECQM1H154KV	P 0.15UF, K, 50V
C 419	TCBL1H182MR	C 1800PF, M, 50V
C 511	ECKD2H222KB2	C 2200PF, K, 500V
C 513	ECEA1VU330	E 33UF, 35V
C 551	ECKD3D272JBN	C 2700PF, J, 2KV
C 552	ECKD3D272JBN	C 2700PF, J, 2KV
C 553	ECKD3D272JBN	C 2700PF, J, 2KV
C 554	ECKD3D332JBN	C 3300PF, J, 2KV
C 555	ECKD3D332JBN	C 3300PF, J, 2KV

Ref. No.	Part No.	Description
C 560	ECQF2H534JZA	P 0.53UF, J,200V
C 561	ECQM4473KZ	P 0.047UF, K,400V
C 562	ECQM4124KZ	P 0.12UF, K,400V
C 658	TCBL1H821KB	C 820PF, K, 50V
C 817	ECKD2H391KB2	C 390PF, K,500V
C 836	ECET2FR331SW	E 330UF,
C 837	ECET2FR331SW	E 330UF,
C 851	ECQM1H104KV	P 0.1UF, K, 50V
COILS		
L 351	TLT271K991K	PEAKING COIL 270U
L 501	TLH15805	H.CHOKE COIL
L 551	TLH15662P	LINEARITY COIL
L 803	TLT181K991K	PEAKING COIL 180U
L 823	TLT047K126	PEAKING COIL
TRANSFORMERS		
T 551	TLF14570B	FLYBACK TRANS.
T 801	TLP16762	TRANS.
DIODES		
D 501	MA1062M	ZENER DIODE
D 503	TVSQA211M	DIODE
D 504	TVSES1Z	DIODE
D 602	0A91A	DIODE
D 811	TVSEU2	DIODE
D 821	TVSRU2M	DIODE
D 842	MA170	DIODE
TRANSISTORS		
Q 351	2SC1819M	R-OUT.
Q 352	2SC1819M	G-OUT.
Q 353	2SC1819M	B-OUT.
Q 501	2SC2653H	H. DRIVE
Q 551	2SD1441	H. OUT.
Q 802	2SC829	PROTECTOR
Q 803	2SB873	CONTROL
OTHERS		
	TXFKK01PKE	CARSOL
	TXFKK51MGR	CHANNEL CARD
	TBM17215	MODEL NAME PLATE
	TKG60735	FRONT GLASS
	TKP1617512-2	DOOR

Ref. No.	Part No.	Description
	TKU161100	REAR COVER
	TKU223700	TOP COVER
	TLK159057-2	DEGAUSSING COIL
	TLY15509F	DEFLECTION YOKE
	TNP17561AB	CIRCUIT BOARD D
	TNP17821AB	CIRCUIT BOARD E
	TNP17918AB	CIRCUIT BOARD Y
	TPC395062	OUTER CARTON
	TPD191292	CUSHION (UPPER)
	TPD192295	CUSHION (BOTTOM)
	TPE14811	SET COVER
	TXFKE51PKE	ESCUTCHEON
	TXG500PKEP	ESCUTCHEON, CABI.
	670EYB22	PICTURE TUBE

TC-420NPR UNIQUE PARTS

RESISTORS

R 250	ERQ1CJP120S	F 12OHM, J, 1W
R 357	EVLS3MA00B23	CONTROL 2KOHMB
R 358	EVLS3MA00B23	CONTROL 2KOHMB
R 359	EVLS3MA00B23	CONTROL 2KOHMB
R 363	ERD25TJ471	C 470OHM, J,1/4W
R 364	ERD25TJ471	C 470OHM, J,1/4W
R 365	ERD25TJ471	C 470OHM, J,1/4W
R 410	ERD25TLJ563	C 56KOHM, J,1/4W
R 414	ERD25TLJ472	C 4.7KOHM, J,1/4W
R 415	ERD25TLJ152	C 1.5KOHM, J,1/4W
R 417	ERD25FJ1R5	C 1.5OHM, J,1/4W
R 419	ERD25TLJ392	C 3.9KOHM, J,1/4W
R 420	ERD25TJ122	C 1.2KOHM, J,1/4W
R 421	ERD25TJ102	C 1KOHM, J,1/4W
R 426	ERD25TLJ562	C 5.6KOHM, J,1/4W
R 430	ERQ14LK1R5P	F 1.5OHM, K,1/4W
R 510	ER025CKF2002	M 20KOHM, F,1/4W
R 511	ER025CKF1873	M 187KOHM, F,1/4W
R 515	ERG1SJ392P	M 3.9KOHM, J, 1W
R 517	ERQ1CJP681S	F 680OHM, J, 1W
R 551	ERG1SJ102P	M 1KOHM, J, 1W
R 552	ERD25TLJ753	C 75KOHM, J,1/4W
R 553	ERQ2CJP3R0S	F 3.0OHM, J, 2W
R 555	ERQ12HJ4R7P	F 4.7OHM, J,1/2W

Ref. No.	Part No.	Description
R 556	ERF7AK6R8	W 6.8OHM, K, 7W
R 674	ERD25TLJ104	C 100KOHM, J, 1/4W
R 803	ERD25TJ391	C 390OHM, J, 1/4W
R 804	ERD25TJ561	C 560OHM, J, 1/4W
R 805	ERQ25CKF2001	M 2KOHM, F, 1/4W
R 807	ERQ25CKF1911	M 1910OHM, F, 1/4W
R 809	ERG2SJ470H	M 47OHM, J, 2W
R 810	ERG3SJ680H	M 68OHM, J, 3W
R 812	ERQ1CJP1R8S	F 1.8OHM, J, 1W
R 816	ERQ12HKR82P	F 0.82OHM, K, 1/2W
R 841	ERF7ZK4R7	W 4.7OHM, K, 7W
R 904	ERD25TLJ823	C 82KOHM, J, 1/4W
R 905	EVLSOMA00B55	CONTROL 500KOHMB
R 1295	ERD25TJ681	C 680OHM, J, 1/4W
CAPACITORS		
C 351	ECKF1H271KB	C 270PF, K, 50V
C 352	ECKF1H391KB	C 390PF, K, 50V
C 353	ECKF1H391KB	C 390PF, K, 50V
C 354	ECKD3D821JBN	C 820PF, J, 2KV
C 412	ECEA25Z10	E 10UF, 25V
C 417	ECQM1H183KV	P 0.018UF, K, 50V
C 419	TCBL1H152MR	C 1500PF, M, 50V
C 511	ECKD2H152KB2	C 1500PF, K, 500V
C 551	ECKD3D182JBN	C 1800PF, J, 2KV
C 552	ECKD3D182JBN	C 1800PF, J, 2KV
C 553	ECKD3D182JBN	C 1800PF, J, 2KV
C 554	ECKD3D182JBN	C 1800PF, J, 2KV
C 555	ECKD3D122JBN	C 1200PF, J, 2KV
C 560	ECQF2H364JZA	P 0.36UF, J, 200V
C 561	ECQM4683KZ	P 0.068UF, K, 400V
C 562	ECQM4154KZ	P 0.15UF, K, 400V
C 658	TCBL1H391KB	C 390PF, K, 50V
C 817	ECKD2H102KB2	C 1000PF, K, 500V
C 829	ECQM1H562KV	P 5600PF, K, 50V
C 836	ECET2FR221SW	E 220UF,
C 837	ECET2FR221SW	E 220UF,
C 1110	ECEA1CU471	E 470UF, 16V
COILS		
L 351	TLT181K991K	PEAKING COIL 180U
L 551	TLH15661P	LINEARITY COIL

Ref. No.	Part No.	Description
TRANSFORMERS		
T 551	TLF14651B1	FLYBACK TRANS.
T 801	TLP15796	CHOPPER TRANS.
DIODES		
D 501	TVSQA211M	ZENER DIODE
D 602	MA150	DIODE
D 811	TVSEH1Z	DIODE
D 821	TVSES1Z	DIODE
TRANSISTORS		
Q 351	2SC2258	TRANSISTOR
Q 352	2SC2258	TRANSISTOR
Q 353	2SC2258	TRANSISTOR
Q 501	2SC1573AH	TRANSISTOR
Q 551	2SD1439	TRANSISTOR
Q 802	2SC1383NC	TRANSISTOR
Q 803	2SA900	TRANSISTOR
OTHERS		
	A48JBM05X	PICTURE TUBE
	TBM17216	MODEL NAME PLATE
	TKG60733	FRONT GLASS
	TKP1617312-1	BOTTOM DOOR
	TKU161200	REAR COVER
	TKU220701	REAR COVER(UPPER)
	TLK139001	DEGAUSSING COIL
	TNP17561AA	CIRCUIT BOARD D
	TNP17821AA	CIRCUIT BOARD E
	TNP40924ZG	CIRCUIT BOARD Y
	TPC395032	OUTER CARTON
	TPD191291	CUSHION (UPPER)
	TPD192294	CUSHION (BOTTOM)
	TPE14706-1	SET COVER
	TXFKE51PJE	ESCUTCHEON

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